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PROVISIONAL EPHEMERIS OF MARS 1950 - 2000

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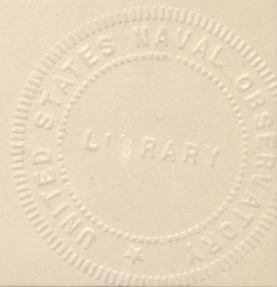
PROVISIONAL EPHEMERIS OF MARS 1950 - 2000

by

R. L. Duncombe and G. M. Clemence

The rectangular heliocentric equatorial coordinates in this *Circular* are intended chiefly for use in the numerical integration of orbits of celestial bodies, natural or artificial, which approach closely to Mars. They are referred to the mean equinox and equator 1950.0. They have been calculated from Clemence's new general theory of the motion of Mars, together with provisional elements derived from 87 observations made in the years 1802 - 1839 and 1931 - 1950.

The uncertainty in the printed values is estimated to be about two percent of the diameter of Mars, that is, some units of the seventh decimal, which is at least an order of magnitude more accurate than the values published in the current ephemerides. Further improvement in accuracy must await the derivation of definitive elements, now being done by R. L. Duncombe.



Julian Day	x	y	z	Julian Day	x	y	z
243 3252.5	-1.1302651	+1.0850002	+0.5284126	243 3452.5	-1.1348000	-0.9898135	-0.4238262
243 3256.5	-1.1683136	+1.0535578	+0.5150032	243 3456.5	-1.0933979	-1.0213911	-0.4394337
243 3260.5	-1.2051427	+1.0210158	+0.5010563	243 3460.5	-1.0506310	-1.0516934	-0.4544926
243 3264.5	-1.2407180	+0.9874115	+0.4865880	243 3464.5	-1.0065400	-1.0806701	-0.4689787
243 3268.5	-1.2750061	+0.9527827	+0.4716150	243 3468.5	-0.9611683	-1.1082716	-0.4828678
243 3272.5	-1.3079749	+0.9171680	+0.4561538	243 3472.5	-0.9145616	-1.1344486	-0.4961364
243 3276.5	-1.3395932	+0.8806063	+0.4402218	243 3476.5	-0.8667679	-1.1591532	-0.5087610
243 3280.5	-1.3698314	+0.8431373	+0.4238361	243 3480.5	-0.8178380	-1.1823379	-0.5207186
243 3284.5	-1.3986606	+0.8048010	+0.4070145	243 3484.5	-0.7678251	-1.2039568	-0.5319865
243 3288.5	-1.4260532	+0.7656381	+0.3897748	243 3488.5	-0.7167851	-1.2239649	-0.5425426
243 3292.5	-1.4519828	+0.7256897	+0.3721352	243 3492.5	-0.6647763	-1.2423183	-0.5523653
243 3296.5	-1.4764240	+0.6849974	+0.3541142	243 3496.5	-0.6118597	-1.2589750	-0.5614336
243 3300.5	-1.4993528	+0.6436034	+0.3357304	243 3500.5	-0.5580988	-1.2738942	-0.5697270
243 3304.5	-1.5207460	+0.6015503	+0.3170028	243 3504.5	-0.5035598	-1.2870369	-0.5772260
243 3308.5	-1.5405818	+0.5588812	+0.2979505	243 3508.5	-0.4483114	-1.2983660	-0.5839116
243 3312.5	-1.5588393	+0.5156395	+0.2785930	243 3512.5	-0.3924248	-1.3078465	-0.5897657
243 3316.5	-1.5754991	+0.4718694	+0.2589500	243 3516.5	-0.3359738	-1.3154453	-0.5947713
243 3320.5	-1.5905426	+0.4276153	+0.2390414	243 3520.5	-0.2790344	-1.3211317	-0.5989123
243 3324.5	-1.6039526	+0.3829220	+0.2188872	243 3524.5	-0.2216853	-1.3248776	-0.6021735
243 3328.5	-1.6157130	+0.3378349	+0.1985080	243 3528.5	-0.1640074	-1.3266573	-0.6045411
243 3332.5	-1.6258087	+0.2923999	+0.1779243	243 3532.5	-0.1060837	-1.3264482	-0.6060024
243 3336.5	-1.6342262	+0.2466631	+0.1571570	243 3536.5	-0.0479994	-1.3242303	-0.6065460
243 3340.5	-1.6409528	+0.2006712	+0.1362271	243 3540.5	+0.0101582	-1.3199869	-0.6061618
243 3344.5	-1.6459773	+0.1544712	+0.1151559	243 3544.5	+0.0682999	-1.3137045	-0.6048413
243 3348.5	-1.6492896	+0.1081106	+0.0939649	243 3548.5	+0.1263351	-1.3053732	-0.6025774
243 3352.5	-1.6508809	+0.0616372	+0.0726760	243 3552.5	+0.1841713	-1.2949864	-0.5993647
243 3356.5	-1.6507438	+0.0150995	+0.0513110	243 3556.5	+0.2417147	-1.2825415	-0.5951993
243 3360.5	-1.6488719	-0.0314540	+0.0298921	243 3560.5	+0.2988703	-1.2680394	-0.5900794
243 3364.5	-1.6452605	-0.0779743	+0.0084417	243 3564.5	+0.3555423	-1.2514854	-0.5840045
243 3368.5	-1.6399061	-0.1244118	-0.0130175	243 3568.5	+0.4116339	-1.2328887	-0.5769764
243 3372.5	-1.6328064	-0.1707169	-0.0344629	243 3572.5	+0.4670479	-1.2122626	-0.5689986
243 3376.5	-1.6239609	-0.2168392	-0.0558714	243 3576.5	+0.5216869	-1.1896250	-0.5600767
243 3380.5	-1.6133702	-0.2627285	-0.0772198	243 3580.5	+0.5754534	-1.1649979	-0.5502181
243 3384.5	-1.6010365	-0.3083338	-0.0984847	243 3584.5	+0.6282504	-1.1384079	-0.5394324
243 3388.5	-1.5869636	-0.3536040	-0.1196425	243 3588.5	+0.6799812	-1.1098862	-0.5277314
243 3392.5	-1.5711568	-0.3984878	-0.1406696	243 3592.5	+0.7305504	-1.0794682	-0.5151288
243 3396.5	-1.5536228	-0.4429334	-0.1615421	243 3596.5	+0.7798634	-1.0471941	-0.5016404
243 3400.5	-1.5343703	-0.4868889	-0.1822357	243 3600.5	+0.8278275	-1.0131086	-0.4872843
243 3404.5	-1.5134094	-0.5303022	-0.2027264	243 3604.5	+0.8743515	-0.9772608	-0.4720805
243 3408.5	-1.4907519	-0.5731208	-0.2229898	243 3608.5	+0.9193466	-0.9397040	-0.4560513
243 3412.5	-1.4664115	-0.6152923	-0.2430014	243 3612.5	+0.9627266	-0.9004963	-0.4392207
243 3416.5	-1.4404037	-0.6567640	-0.2627366	243 3616.5	+1.0044077	-0.8596996	-0.4216152
243 3420.5	-1.4127457	-0.6974831	-0.2821707	243 3620.5	+1.0443098	-0.8173799	-0.4032627
243 3424.5	-1.3834568	-0.7373968	-0.3012790	243 3624.5	+1.0823556	-0.7736075	-0.3841935
243 3428.5	-1.3525580	-0.7764523	-0.3200366	243 3628.5	+1.1184721	-0.7284559	-0.3644394
243 3432.5	-1.3200725	-0.8145968	-0.3384187	243 3632.5	+1.1525899	-0.6820026	-0.3440341
243 3436.5	-1.2860255	-0.8517775	-0.3564004	243 3636.5	+1.1846441	-0.6343282	-0.3230127
243 3440.5	-1.2504442	-0.8879418	-0.3739568	243 3640.5	+1.2145741	-0.5855163	-0.3014122
243 3444.5	-1.2133581	-0.9230373	-0.3910631	243 3644.5	+1.2423242	-0.5356535	-0.2792706
243 3448.5	-1.1747987	-0.9570118	-0.4076945	243 3648.5	+1.2678437	-0.4848289	-0.2566276



Julian Day	x	y	z
243 3652.5	+1.2910866	-0.4331337	-0.2335238
243 3656.5	+1.3120128	-0.3806613	-0.2100009
243 3660.5	+1.3305869	-0.3275064	-0.1861016
243 3664.5	+1.3467794	-0.2737653	-0.1618691
243 3668.5	+1.3605663	-0.2195351	-0.1373475
243 3672.5	+1.3719291	-0.1649138	-0.1125811
243 3676.5	+1.3808549	-0.1099996	-0.0876148
243 3680.5	+1.3873363	-0.0548906	-0.0624933
243 3684.5	+1.3913716	+0.0003152	-0.0372617
243 3688.5	+1.3929644	+0.0555205	-0.0119646
243 3692.5	+1.3921237	+0.1106287	+0.0133533
243 3696.5	+1.3888639	+0.1655448	+0.0386481
243 3700.5	+1.3832043	+0.2201748	+0.0638761
243 3704.5	+1.3751690	+0.2744266	+0.0889944
243 3708.5	+1.3647873	+0.3282102	+0.1139608
243 3712.5	+1.3520927	+0.3814376	+0.1387342
243 3716.5	+1.3371230	+0.4340233	+0.1632741
243 3720.5	+1.3199205	+0.4858841	+0.1875413
243 3724.5	+1.3005310	+0.5369398	+0.2114978
243 3728.5	+1.2790041	+0.5871132	+0.2351068
243 3732.5	+1.2553929	+0.6363297	+0.2583326
243 3736.5	+1.2297535	+0.6845182	+0.2811410
243 3740.5	+1.2021451	+0.7316107	+0.3034993
243 3744.5	+1.1726293	+0.7775424	+0.3253761
243 3748.5	+1.1412704	+0.8222519	+0.3467414
243 3752.5	+1.1081346	+0.8656813	+0.3675669
243 3756.5	+1.0732903	+0.9077760	+0.3878256
243 3760.5	+1.0368074	+0.9484848	+0.4074923
243 3764.5	+0.9987574	+0.9877600	+0.4265431
243 3768.5	+0.9592128	+1.0255572	+0.4449556
243 3772.5	+0.9182476	+1.0618354	+0.4627091
243 3776.5	+0.8759362	+1.0965571	+0.4797844
243 3780.5	+0.8323538	+1.1296878	+0.4961635
243 3784.5	+0.7875763	+1.1611965	+0.5118302
243 3788.5	+0.7416796	+1.1910551	+0.5267696
243 3792.5	+0.6947398	+1.2192388	+0.5409682
243 3796.5	+0.6468331	+1.2457257	+0.5544140
243 3800.5	+0.5980354	+1.2704969	+0.5670962
243 3804.5	+0.5484225	+1.2935363	+0.5790054
243 3808.5	+0.4980697	+1.3148307	+0.5901335
243 3812.5	+0.4470517	+1.3343694	+0.6004736
243 3816.5	+0.3954427	+1.3521444	+0.6100201
243 3820.5	+0.3433161	+1.3681502	+0.6187683
243 3824.5	+0.2907448	+1.3823836	+0.6267150
243 3828.5	+0.2378004	+1.3948439	+0.6338578
243 3832.5	+0.1845538	+1.4055324	+0.6401955
243 3836.5	+0.1310750	+1.4144528	+0.6457278
243 3840.5	+0.0774328	+1.4216107	+0.6504556
243 3844.5	+0.0236948	+1.4270136	+0.6543803
243 3848.5	-0.0300722	+1.4306711	+0.6575046

Julian Day	x	y	z
243 3852.5	-0.0838029	+1.4325943	+0.6598319
243 3856.5	-0.1374331	+1.4327963	+0.6613664
243 3860.5	-0.1908997	+1.4312916	+0.6621132
243 3864.5	-0.2441409	+1.4280966	+0.6620780
243 3868.5	-0.2970963	+1.4232288	+0.6612672
243 3872.5	-0.3497067	+1.4167073	+0.6596882
243 3876.5	-0.4019141	+1.4085527	+0.6573487
243 3880.5	-0.4536618	+1.3987868	+0.6542572
243 3884.5	-0.5048946	+1.3874325	+0.6504228
243 3888.5	-0.5555583	+1.3745140	+0.6458552
243 3892.5	-0.6056002	+1.3600566	+0.6405644
243 3896.5	-0.6549688	+1.3440869	+0.6345613
243 3900.5	-0.7036139	+1.3266321	+0.6278572
243 3904.5	-0.7514866	+1.3077207	+0.6204636
243 3908.5	-0.7985393	+1.2873821	+0.6123929
243 3912.5	-0.8447257	+1.2656464	+0.6036577
243 3916.5	-0.8900005	+1.2425448	+0.5942709
243 3920.5	-0.9343200	+1.2181091	+0.5842462
243 3924.5	-0.9776415	+1.1923722	+0.5735972
243 3928.5	-1.0199237	+1.1653673	+0.5623384
243 3932.5	-1.0611264	+1.1371288	+0.5504843
243 3936.5	-1.1012105	+1.1076915	+0.5380499
243 3940.5	-1.1401385	+1.0770910	+0.5250504
243 3944.5	-1.1778736	+1.0453635	+0.5115015
243 3948.5	-1.2143805	+1.0125458	+0.4974193
243 3952.5	-1.2496250	+0.9786753	+0.4828198
243 3956.5	-1.2835741	+0.9437901	+0.4677198
243 3960.5	-1.3161959	+0.9079288	+0.4521360
243 3964.5	-1.3474596	+0.8711305	+0.4360857
243 3968.5	-1.3773356	+0.8334351	+0.4195862
243 3972.5	-1.4057955	+0.7948826	+0.4026553
243 3976.5	-1.4328121	+0.7555138	+0.3853109
243 3980.5	-1.4583590	+0.7153701	+0.3675712
243 3984.5	-1.4824114	+0.6744932	+0.3494548
243 3988.5	-1.5049453	+0.6329252	+0.3309804
243 3992.5	-1.5259380	+0.5907089	+0.3121670
243 3996.5	-1.5453678	+0.5478876	+0.2930339
243 4000.5	-1.5632143	+0.5045048	+0.2736004
243 4004.5	-1.5794582	+0.4606048	+0.2538865
243 4008.5	-1.5940813	+0.4162320	+0.2339120
243 4012.5	-1.6070666	+0.3714315	+0.2136971
243 4016.5	-1.6183982	+0.3262488	+0.1932623
243 4020.5	-1.6280616	+0.2807297	+0.1726283
243 4024.5	-1.6360433	+0.2349206	+0.1518159
243 4028.5	-1.6423310	+0.1888682	+0.1308464
243 4032.5	-1.6469139	+0.1426198	+0.1097410
243 4036.5	-1.6497821	+0.0962228	+0.0885213
243 4040.5	-1.6509272	+0.0497254	+0.0672092
243 4044.5	-1.6503419	+0.0031759	+0.0458267
243 4048.5	-1.6480205	-0.0433770	+0.0243959

Julian Day	x	y	z	Julian Day	x	y	z
243 4052.5	-1.6439584	-0.0898841	+0.0029394	243 4252.5	+0.3702941	-1.2469176	-0.5823043
243 4056.5	-1.6381524	-0.1362958	-0.0185203	243 4256.5	+0.4262171	-1.2277980	-0.5750316
243 4060.5	-1.6306008	-0.1825622	-0.0399601	243 4260.5	+0.4814371	-1.2066537	-0.5668106
243 4064.5	-1.6213032	-0.2286332	-0.0613572	243 4264.5	+0.5358566	-1.1835035	-0.5576474
243 4068.5	-1.6102606	-0.2744580	-0.0826882	243 4268.5	+0.5893783	-1.1583708	-0.5475500
243 4072.5	-1.5974758	-0.3199858	-0.1039298	243 4272.5	+0.6419052	-1.1312832	-0.5365287
243 4076.5	-1.5829528	-0.3651654	-0.1250582	243 4276.5	+0.6933411	-1.1022732	-0.5245955
243 4080.5	-1.5666972	-0.4099452	-0.1460497	243 4280.5	+0.7435907	-1.0713774	-0.5117649
243 4084.5	-1.5487165	-0.4542736	-0.1668803	243 4284.5	+0.7925600	-1.0386371	-0.4980532
243 4088.5	-1.5290195	-0.4980985	-0.1875260	243 4288.5	+0.8401565	-1.0040981	-0.4834790
243 4092.5	-1.5076167	-0.5413676	-0.2079625	243 4292.5	+0.8862900	-0.9678106	-0.4680629
243 4096.5	-1.4845206	-0.5840286	-0.2281654	243 4296.5	+0.9308722	-0.9298294	-0.4518276
243 4100.5	-1.4597452	-0.6260289	-0.2481101	243 4300.5	+0.9738175	-0.8902132	-0.4347978
243 4104.5	-1.4333064	-0.6673157	-0.2677720	243 4304.5	+1.0150432	-0.8490251	-0.4170004
243 4108.5	-1.4052221	-0.7078363	-0.2871265	243 4308.5	+1.0544698	-0.8063323	-0.3984638
243 4112.5	-1.3755118	-0.7475377	-0.3061487	243 4312.5	+1.0920213	-0.7622058	-0.3792187
243 4116.5	-1.3441974	-0.7863672	-0.3248137	243 4316.5	+1.1276255	-0.7167201	-0.3592975
243 4120.5	-1.3113024	-0.8242720	-0.3430968	243 4320.5	+1.1612143	-0.6699534	-0.3387341
243 4124.5	-1.2768525	-0.8611992	-0.3609730	243 4324.5	+1.1927239	-0.6219872	-0.3175641
243 4128.5	-1.2408756	-0.8970963	-0.3784175	243 4328.5	+1.2220950	-0.5729058	-0.2958248
243 4132.5	-1.2034017	-0.9319111	-0.3954053	243 4332.5	+1.2492732	-0.5227964	-0.2735547
243 4136.5	-1.1644630	-0.9655912	-0.4119117	243 4336.5	+1.2742088	-0.4717486	-0.2507935
243 4140.5	-1.1240938	-0.9980851	-0.4279121	243 4340.5	+1.2968577	-0.4198540	-0.2275822
243 4144.5	-1.0823310	-1.0293413	-0.4433819	243 4344.5	+1.3171807	-0.3672064	-0.2039627
243 4148.5	-1.0392136	-1.0593092	-0.4582966	243 4348.5	+1.3351442	-0.3139010	-0.1799778
243 4152.5	-0.9947831	-1.0879382	-0.4726322	243 4352.5	+1.3507199	-0.2600341	-0.1556711
243 4156.5	-0.9490834	-1.1151791	-0.4863646	243 4356.5	+1.3638852	-0.2057032	-0.1310865
243 4160.5	-0.9021608	-1.1409828	-0.4994704	243 4360.5	+1.3746231	-0.1510060	-0.1062685
243 4164.5	-0.8540642	-1.1653015	-0.5119260	243 4364.5	+1.3829221	-0.0960407	-0.0812620
243 4168.5	-0.8048451	-1.1880883	-0.5237086	243 4368.5	+1.3887763	-0.0409056	-0.0561117
243 4172.5	-0.7545572	-1.2092972	-0.5347956	243 4372.5	+1.3921853	+0.0143017	-0.0308626
243 4176.5	-0.7032571	-1.2288836	-0.5451652	243 4376.5	+1.3931541	+0.0694841	-0.0055593
243 4180.5	-0.6510039	-1.2468043	-0.5547958	243 4380.5	+1.3916929	+0.1245454	+0.0197537
243 4184.5	-0.5978593	-1.2630173	-0.5636665	243 4384.5	+1.3878175	+0.1793908	+0.0450326
243 4188.5	-0.5438876	-1.2774825	-0.5717572	243 4388.5	+1.3815482	+0.2339270	+0.0702338
243 4192.5	-0.4891554	-1.2901613	-0.5790483	243 4392.5	+1.3729107	+0.2880624	+0.0953147
243 4196.5	-0.4337323	-1.3010172	-0.5855213	243 4396.5	+1.3619351	+0.3417074	+0.1202334
243 4200.5	-0.3776901	-1.3100155	-0.5911582	243 4400.5	+1.3486561	+0.3947747	+0.1449489
243 4204.5	-0.3211032	-1.3171239	-0.5959424	243 4404.5	+1.3331126	+0.4471793	+0.1694210
243 4208.5	-0.2640484	-1.3223124	-0.5998578	243 4408.5	+1.3153476	+0.4988389	+0.1936109
243 4212.5	-0.2066050	-1.3255535	-0.6028898	243 4412.5	+1.2954081	+0.5496741	+0.2174809
243 4216.5	-0.1488543	-1.3268224	-0.6050248	243 4416.5	+1.2733445	+0.5996082	+0.2409943
243 4220.5	-0.0908801	-1.3260969	-0.6062504	243 4420.5	+1.2492106	+0.6485676	+0.2641160
243 4224.5	-0.0327681	-1.3233582	-0.6065555	243 4424.5	+1.2230632	+0.6964819	+0.2868121
243 4228.5	+0.0253940	-1.3185902	-0.6059306	243 4428.5	+1.1949622	+0.7432839	+0.3090502
243 4232.5	+0.0835166	-1.3117806	-0.6043674	243 4432.5	+1.1649698	+0.7889098	+0.3307992
243 4236.5	+0.1415084	-1.3029201	-0.6018594	243 4436.5	+1.1331509	+0.8332988	+0.3520296
243 4240.5	+0.1992767	-1.2920033	-0.5984015	243 4440.5	+1.0995721	+0.8763940	+0.3727134
243 4244.5	+0.2567274	-1.2790286	-0.5939904	243 4444.5	+1.0643023	+0.9181416	+0.3928242
243 4248.5	+0.3137652	-1.2639979	-0.5886246	243 4448.5	+1.0274118	+0.9584912	+0.4123368

Julian Day	x	y	z	Julian Day	x	y	z
243 4452.5	+0.9889723	+0.9973960	+0.4312278	243 4652.5	-1.3552206	+0.8617542	+0.4319796
243 4456.5	+0.9490568	+1.0348125	+0.4494754	243 4656.5	-1.3847414	+0.8238442	+0.4153721
243 4460.5	+0.9077393	+1.0707005	+0.4670591	243 4660.5	-1.4128392	+0.7850877	+0.3983377
243 4464.5	+0.8650945	+1.1050232	+0.4839599	243 4664.5	-1.4394869	+0.7455254	+0.3808945
243 4468.5	+0.8211978	+1.1377469	+0.5001605	243 4668.5	-1.4646587	+0.7051987	+0.3630607
243 4472.5	+0.7761251	+1.1688414	+0.5156448	243 4672.5	-1.4883299	+0.6641495	+0.3448550
243 4476.5	+0.7299523	+1.1982795	+0.5303984	243 4676.5	-1.5104769	+0.6224202	+0.3262961
243 4480.5	+0.6827556	+1.2260370	+0.5444081	243 4680.5	-1.5310773	+0.5800535	+0.3074031
243 4484.5	+0.6346112	+1.2520929	+0.5576622	243 4684.5	-1.5501096	+0.5370927	+0.2881953
243 4488.5	+0.5855950	+1.2764288	+0.5701503	243 4688.5	-1.5675538	+0.4935817	+0.2686922
243 4492.5	+0.5357826	+1.2990295	+0.5818632	243 4692.5	-1.5833908	+0.4495645	+0.2489136
243 4496.5	+0.4852493	+1.3198822	+0.5927933	243 4696.5	-1.5976027	+0.4050860	+0.2288795
243 4500.5	+0.4340696	+1.3389772	+0.6029338	243 4700.5	-1.6101730	+0.3601912	+0.2086102
243 4504.5	+0.3823176	+1.3563068	+0.6122794	243 4704.5	-1.6210859	+0.3149257	+0.1881262
243 4508.5	+0.3300666	+1.3718663	+0.6208260	243 4708.5	-1.6303273	+0.2693354	+0.1674483
243 4512.5	+0.2773890	+1.3856531	+0.6285703	243 4712.5	-1.6378840	+0.2234667	+0.1465972
243 4516.5	+0.2243566	+1.3976670	+0.6355103	243 4716.5	-1.6437440	+0.1773666	+0.1255943
243 4520.5	+0.1710398	+1.4079099	+0.6416451	243 4720.5	-1.6478967	+0.1310822	+0.1044610
243 4524.5	+0.1175084	+1.4163859	+0.6469746	243 4724.5	-1.6503326	+0.0846613	+0.0832188
243 4528.5	+0.0638309	+1.4231012	+0.6514999	243 4728.5	-1.6510436	+0.0381519	+0.0618897
243 4532.5	+0.0100749	+1.4280638	+0.6552228	243 4732.5	-1.6500229	-0.0083976	+0.0404956
243 4536.5	-0.0436935	+1.4312837	+0.6581460	243 4736.5	-1.6472648	-0.0549382	+0.0190589
243 4540.5	-0.0974090	+1.4327724	+0.6602733	243 4740.5	-1.6427652	-0.1014207	-0.0023980
243 4544.5	-0.1510076	+1.4325436	+0.6616089	243 4744.5	-1.6365213	-0.1477955	-0.0238523
243 4548.5	-0.2044268	+1.4306121	+0.6621583	243 4748.5	-1.6285316	-0.1940127	-0.0452811
243 4552.5	-0.2576049	+1.4269946	+0.6619272	243 4752.5	-1.6187961	-0.2400218	-0.0666614
243 4556.5	-0.3104820	+1.4217091	+0.6609225	243 4756.5	-1.6073162	-0.2857724	-0.0879699
243 4560.5	-0.3629990	+1.4147752	+0.6591514	243 4760.5	-1.5940950	-0.3312133	-0.1091831
243 4564.5	-0.4150983	+1.4062136	+0.6566219	243 4764.5	-1.5791368	-0.3762933	-0.1302773
243 4568.5	-0.4667236	+1.3960464	+0.6533428	243 4768.5	-1.5624479	-0.4209609	-0.1512286
243 4572.5	-0.5178200	+1.3842969	+0.6493231	243 4772.5	-1.5440357	-0.4651641	-0.1720132
243 4576.5	-0.5683336	+1.3709898	+0.6445728	243 4776.5	-1.5239097	-0.5088511	-0.1926069
243 4580.5	-0.6182120	+1.3561505	+0.6391021	243 4780.5	-1.5020809	-0.5519695	-0.2129853
243 4584.5	-0.6674041	+1.3398057	+0.6329220	243 4784.5	-1.4785619	-0.5944667	-0.2331241
243 4588.5	-0.7158600	+1.3219832	+0.6260437	243 4788.5	-1.4533674	-0.6362903	-0.2529987
243 4592.5	-0.7635312	+1.3027116	+0.6184792	243 4792.5	-1.4265137	-0.6773875	-0.2725844
243 4596.5	-0.8103703	+1.2820204	+0.6102408	243 4796.5	-1.3980190	-0.7177054	-0.2918566
243 4600.5	-0.8563314	+1.2599401	+0.6013411	243 4800.5	-1.3679035	-0.7571912	-0.3107904
243 4604.5	-0.9013697	+1.2365021	+0.5917934	243 4804.5	-1.3361892	-0.7957920	-0.3293609
243 4608.5	-0.9454415	+1.2117384	+0.5816113	243 4808.5	-1.3029004	-0.8334550	-0.3475433
243 4612.5	-0.9885047	+1.1856819	+0.5708086	243 4812.5	-1.2680633	-0.8701276	-0.3653126
243 4616.5	-1.0305182	+1.1583663	+0.5593998	243 4816.5	-1.2317062	-0.9057571	-0.3826441
243 4620.5	-1.0714420	+1.1298260	+0.5473995	243 4820.5	-1.1938596	-0.9402912	-0.3995128
243 4624.5	-1.1112377	+1.1000960	+0.5348228	243 4824.5	-1.1545562	-0.9736779	-0.4158940
243 4628.5	-1.1498677	+1.0692121	+0.5216851	243 4828.5	-1.1138310	-1.0058656	-0.4317630
243 4632.5	-1.1872957	+1.0372105	+0.5080021	243 4832.5	-1.0717214	-1.0368029	-0.4470953
243 4636.5	-1.2234868	+1.0041284	+0.4937899	243 4836.5	-1.0282670	-1.0664391	-0.4618665
243 4640.5	-1.2584069	+0.9700032	+0.4790647	243 4840.5	-0.9835099	-1.0947242	-0.4760526
243 4644.5	-1.2920235	+0.9348732	+0.4638433	243 4844.5	-0.9374945	-1.1216086	-0.4896295
243 4648.5	-1.3243048	+0.8987771	+0.4481425	243 4848.5	-0.8902678	-1.1470439	-0.5025738

Julian Day	x	y	z	Julian Day	x	y	z
243 4852.5	-0.8418794	-1.1709821	-0.5148623	243 5052.5	+1.3845795	-0.0815058	-0.0746225
243 4856.5	-0.7923812	-1.1933766	-0.5264719	243 5056.5	+1.3897996	-0.0263382	-0.0494404
243 4860.5	-0.7418278	-1.2141818	-0.5373804	243 5060.5	+1.3925749	+0.0288758	-0.0241712
243 4864.5	-0.6902764	-1.2333533	-0.5475659	243 5064.5	+1.3929118	+0.0840392	+0.0011402
243 4868.5	-0.6377867	-1.2508481	-0.5570069	243 5068.5	+1.3908221	+0.1390563	+0.0264497
243 4872.5	-0.5844210	-1.2666247	-0.5656828	243 5072.5	+1.3863227	+0.1938324	+0.0517134
243 4876.5	-0.5302443	-1.2806433	-0.5735736	243 5076.5	+1.3794355	+0.2482748	+0.0768880
243 4880.5	-0.4753240	-1.2928658	-0.5806599	243 5080.5	+1.3701874	+0.3022923	+0.1019311
243 4884.5	-0.4197302	-1.3032560	-0.5869233	243 5084.5	+1.3586098	+0.3557959	+0.1268009
243 4888.5	-0.3635355	-1.3117798	-0.5923462	243 5088.5	+1.3447384	+0.4086989	+0.1514566
243 4892.5	-0.3068148	-1.3184055	-0.5969120	243 5092.5	+1.3286135	+0.4609170	+0.1758586
243 4896.5	-0.2496456	-1.3231036	-0.6006050	243 5096.5	+1.3102790	+0.5123687	+0.1999681
243 4900.5	-0.1921078	-1.3258472	-0.6034108	243 5100.5	+1.2897830	+0.5629753	+0.2237478
243 4904.5	-0.1342833	-1.3266120	-0.6053160	243 5104.5	+1.2671767	+0.6126608	+0.2471615
243 4908.5	-0.0762566	-1.3253769	-0.6063086	243 5108.5	+1.2425148	+0.6613526	+0.2701742
243 4912.5	-0.0181138	-1.3221234	-0.6063780	243 5112.5	+1.2158551	+0.7089811	+0.2927526
243 4916.5	+0.0400567	-1.3168366	-0.6055147	243 5116.5	+1.1872580	+0.7554800	+0.3148646
243 4920.5	+0.0981648	-1.3095046	-0.6037111	243 5120.5	+1.1567864	+0.8007864	+0.3364796
243 4924.5	+0.1561190	-1.3001194	-0.6009608	243 5124.5	+1.1245058	+0.8448405	+0.3575684
243 4928.5	+0.2138259	-1.2886763	-0.5972593	243 5128.5	+1.0904834	+0.8875862	+0.3781034
243 4932.5	+0.2711911	-1.2751746	-0.5926037	243 5132.5	+1.0547884	+0.9289707	+0.3980585
243 4936.5	+0.3281190	-1.2596174	-0.5869928	243 5136.5	+1.0174914	+0.9689446	+0.4174093
243 4940.5	+0.3845133	-1.2420120	-0.5804275	243 5140.5	+0.9786648	+1.0074619	+0.4361325
243 4944.5	+0.4402769	-1.2223698	-0.5729102	243 5144.5	+0.9383815	+1.0444799	+0.4542067
243 4948.5	+0.4953124	-1.2007064	-0.5644457	243 5148.5	+0.8967159	+1.0799595	+0.4716120
243 4952.5	+0.5495223	-1.1770420	-0.5550405	243 5152.5	+0.8537428	+1.1138647	+0.4883296
243 4956.5	+0.6028093	-1.1514009	-0.5447031	243 5156.5	+0.8095378	+1.1461629	+0.5043428
243 4960.5	+0.6550763	-1.1238121	-0.5334444	243 5160.5	+0.7641767	+1.1768245	+0.5196358
243 4964.5	+0.7062275	-1.0943090	-0.5212769	243 5164.5	+0.7177355	+1.2058231	+0.5341945
243 4968.5	+0.7561676	-1.0629296	-0.5082157	243 5168.5	+0.6702905	+1.2331355	+0.5480063
243 4972.5	+0.8048030	-1.0297164	-0.4942777	243 5172.5	+0.6219176	+1.2587414	+0.5610596
243 4976.5	+0.8520417	-0.9947163	-0.4794819	243 5176.5	+0.5726927	+1.2826232	+0.5733444
243 4980.5	+0.8977939	-0.9579809	-0.4638497	243 5180.5	+0.5226913	+1.3047664	+0.5848521
243 4984.5	+0.9419718	-0.9195658	-0.4474041	243 5184.5	+0.4719884	+1.3251591	+0.5955752
243 4988.5	+0.9844905	-0.8795312	-0.4301706	243 5188.5	+0.4206585	+1.3437919	+0.6055073
243 4992.5	+1.0252681	-0.8379412	-0.4121763	243 5192.5	+0.3687754	+1.3606582	+0.6146434
243 4996.5	+1.0642260	-0.7948640	-0.3934505	243 5196.5	+0.3164122	+1.3757537	+0.6229795
243 5000.5	+1.1012889	-0.7503716	-0.3740242	243 5200.5	+0.2636410	+1.3890764	+0.6305130
243 5004.5	+1.1363859	-0.7045397	-0.3539302	243 5204.5	+0.2105332	+1.4006267	+0.6372419
243 5008.5	+1.1694496	-0.6574474	-0.3332031	243 5208.5	+0.1571592	+1.4104072	+0.6431656
243 5012.5	+1.2004176	-0.6091769	-0.3118788	243 5212.5	+0.1035883	+1.4184224	+0.6482843
243 5016.5	+1.2292317	-0.5598135	-0.2899949	243 5216.5	+0.0498887	+1.4246790	+0.6525993
243 5020.5	+1.2558388	-0.5094450	-0.2675904	243 5220.5	-0.0038724	+1.4291856	+0.6561126
243 5024.5	+1.2801907	-0.4581616	-0.2447054	243 5224.5	-0.0576290	+1.4319525	+0.6588273
243 5028.5	+1.3022444	-0.4060559	-0.2213811	243 5228.5	-0.1113163	+1.4329919	+0.6607472
243 5032.5	+1.3219622	-0.3532218	-0.1976597	243 5232.5	-0.1648706	+1.4323177	+0.6618769
243 5036.5	+1.3393120	-0.2997549	-0.1735842	243 5236.5	-0.2182297	+1.4299452	+0.6622219
243 5040.5	+1.3542670	-0.2457522	-0.1491984	243 5240.5	-0.2713324	+1.4258914	+0.6617882
243 5044.5	+1.3668060	-0.1913110	-0.1245464	243 5244.5	-0.3241188	+1.4201748	+0.6605828
243 5048.5	+1.3769135	-0.1365294	-0.0996728	243 5248.5	-0.3765305	+1.4128152	+0.6586131

Julian Day	x	y	z	Julian Day	x	y	z
243 5252.5	-0.4285100	+1.4038338	+0.6558874	243 5452.5	-1.5753140	-0.3876926	-0.1356274
243 5256.5	-0.4800016	+1.3932529	+0.6524145	243 5456.5	-1.5581959	-0.4322422	-0.1565362
243 5260.5	-0.5309504	+1.3810962	+0.6482036	243 5460.5	-1.5393574	-0.4763145	-0.1772722
243 5264.5	-0.5813031	+1.3673885	+0.6432647	243 5464.5	-1.5188083	-0.5198573	-0.1978111
243 5268.5	-0.6310076	+1.3521557	+0.6376084	243 5468.5	-1.4965600	-0.5628183	-0.2181286
243 5272.5	-0.6800131	+1.3354246	+0.6312456	243 5472.5	-1.4726256	-0.6051452	-0.2382003
243 5276.5	-0.7282701	+1.3172233	+0.6241879	243 5476.5	-1.4470201	-0.6467853	-0.2580017
243 5280.5	-0.7757303	+1.2975807	+0.6164471	243 5480.5	-1.4197605	-0.6876858	-0.2775080
243 5284.5	-0.8223468	+1.2765264	+0.6080357	243 5484.5	-1.3908653	-0.7277941	-0.2966947
243 5288.5	-0.8680738	+1.2540913	+0.5989665	243 5488.5	-1.3603552	-0.7670571	-0.3155367
243 5292.5	-0.9128669	+1.2303069	+0.5892529	243 5492.5	-1.3282528	-0.8054223	-0.3340094
243 5296.5	-0.9566829	+1.2052054	+0.5789085	243 5496.5	-1.2945828	-0.8428367	-0.3520879
243 5300.5	-0.9994799	+1.1788200	+0.5679474	243 5500.5	-1.2593718	-0.8792478	-0.3697472
243 5304.5	-1.0412169	+1.1511845	+0.5563840	243 5504.5	-1.2226488	-0.9146031	-0.3869625
243 5308.5	-1.0818547	+1.1223335	+0.5442331	243 5508.5	-1.1844447	-0.9488504	-0.4037090
243 5312.5	-1.1213547	+1.0923021	+0.5315098	243 5512.5	-1.1447929	-0.9819378	-0.4199620
243 5316.5	-1.1596799	+1.0611263	+0.5182297	243 5516.5	-1.1037287	-1.0138137	-0.4356968
243 5320.5	-1.1967943	+1.0288426	+0.5044084	243 5520.5	-1.0612902	-1.0444271	-0.4508891
243 5324.5	-1.2326631	+0.9954882	+0.4900622	243 5524.5	-1.0175175	-1.0737274	-0.4655145
243 5328.5	-1.2672528	+0.9611007	+0.4752075	243 5528.5	-0.9724532	-1.1016646	-0.4795489
243 5332.5	-1.3005310	+0.9257185	+0.4598609	243 5532.5	-0.9261425	-1.1281896	-0.4929686
243 5336.5	-1.3324662	+0.8893806	+0.4440396	243 5536.5	-0.8786328	-1.1532539	-0.5057500
243 5340.5	-1.3630285	+0.8521262	+0.4277607	243 5540.5	-0.8299742	-1.1768102	-0.5178701
243 5344.5	-1.3921888	+0.8139955	+0.4110418	243 5544.5	-0.7802193	-1.1988119	-0.5293061
243 5348.5	-1.4199193	+0.7750288	+0.3939008	243 5548.5	-0.7294233	-1.2192137	-0.5400357
243 5352.5	-1.4461933	+0.7352672	+0.3763558	243 5552.5	-0.6776439	-1.2379717	-0.5500372
243 5356.5	-1.4709853	+0.6947522	+0.3584251	243 5556.5	-0.6249415	-1.2550432	-0.5592893
243 5360.5	-1.4942707	+0.6535258	+0.3401274	243 5560.5	-0.5713789	-1.2703872	-0.5677716
243 5364.5	-1.5160264	+0.6116304	+0.3214815	243 5564.5	-0.5170217	-1.2839641	-0.5754641
243 5368.5	-1.5362301	+0.5691091	+0.3025066	243 5568.5	-0.4619379	-1.2957364	-0.5823479
243 5372.5	-1.5548609	+0.5260051	+0.2832219	243 5572.5	-0.4061981	-1.3056684	-0.5884045
243 5376.5	-1.5718989	+0.4823623	+0.2636472	243 5576.5	-0.3498754	-1.3137267	-0.5936167
243 5380.5	-1.5873253	+0.4382252	+0.2438023	243 5580.5	-0.2930455	-1.3198798	-0.5979681
243 5384.5	-1.6011227	+0.3936385	+0.2237072	243 5584.5	-0.2357863	-1.3240991	-0.6014433
243 5388.5	-1.6132747	+0.3486473	+0.2033822	243 5588.5	-0.1781781	-1.3263581	-0.6040282
243 5392.5	-1.6237660	+0.3032975	+0.1828479	243 5592.5	-0.1203035	-1.3266335	-0.6057096
243 5396.5	-1.6325827	+0.2576349	+0.1621252	243 5596.5	-0.0622472	-1.3249046	-0.6064760
243 5400.5	-1.6397119	+0.2117061	+0.1412348	243 5600.5	-0.0040960	-1.3211538	-0.6063168
243 5404.5	-1.6451420	+0.1655581	+0.1201982	243 5604.5	+0.0540614	-1.3153669	-0.6052233
243 5408.5	-1.6488627	+0.1192382	+0.0990368	243 5608.5	+0.1121346	-1.3075329	-0.6031878
243 5412.5	-1.6508650	+0.0727942	+0.0777722	243 5612.5	+0.1700316	-1.2976446	-0.6002045
243 5416.5	-1.6511409	+0.0262742	+0.0564263	243 5616.5	+0.2276588	-1.2856981	-0.5962694
243 5420.5	-1.6496840	-0.0202733	+0.0350213	243 5620.5	+0.2849215	-1.2716936	-0.5913797
243 5424.5	-1.6464891	-0.0667993	+0.0135794	243 5624.5	+0.3417239	-1.2556352	-0.5855350
243 5428.5	-1.6415523	-0.1132544	-0.0078768	243 5628.5	+0.3979695	-1.2375312	-0.5787363
243 5432.5	-1.6348711	-0.1595892	-0.0293246	243 5632.5	+0.4535611	-1.2173940	-0.5709868
243 5436.5	-1.6264446	-0.2057533	-0.0507410	243 5636.5	+0.5084014	-1.1952400	-0.5622914
243 5440.5	-1.6162730	-0.2516966	-0.0721029	243 5640.5	+0.5623926	-1.1710906	-0.5526572
243 5444.5	-1.6043582	-0.2973683	-0.0933869	243 5644.5	+0.6154377	-1.1449710	-0.5420932
243 5448.5	-1.5907036	-0.3427174	-0.1145697	243 5648.5	+0.6674399	-1.1169113	-0.5306107

Julian Day	x	y	z	Julian Day	x	y	z
243 5652.5	+0.7183032	-1.0869460	-0.5182229	243 5852.5	+0.7055644	+1.2127221	+0.5377012
243 5656.5	+0.7679329	-1.0551141	-0.5049452	243 5856.5	+0.6578692	+1.2396099	+0.5513246
243 5660.5	+0.8162356	-1.0214592	-0.4907950	243 5860.5	+0.6092653	+1.2647857	+0.5641866
243 5664.5	+0.8631198	-0.9860292	-0.4757919	243 5864.5	+0.5598286	+1.2882328	+0.5762775
243 5668.5	+0.9084960	-0.9488766	-0.4599576	243 5868.5	+0.5096345	+1.3099372	+0.5875888
243 5672.5	+0.9522773	-0.9100583	-0.4433159	243 5872.5	+0.4587579	+1.3298878	+0.5981134
243 5676.5	+0.9943792	-0.8696352	-0.4258924	243 5876.5	+0.4072733	+1.3480759	+0.6078454
243 5680.5	+1.0347206	-0.8276726	-0.4077149	243 5880.5	+0.3552543	+1.3644955	+0.6167799
243 5684.5	+1.0732237	-0.7842395	-0.3888131	243 5884.5	+0.3027738	+1.3791429	+0.6249133
243 5688.5	+1.1098140	-0.7394088	-0.3692184	243 5888.5	+0.2499038	+1.3920168	+0.6322432
243 5692.5	+1.1444215	-0.6932571	-0.3489640	243 5892.5	+0.1967156	+1.4031181	+0.6387679
243 5696.5	+1.1769799	-0.6458642	-0.3280848	243 5896.5	+0.1432791	+1.4124500	+0.6444872
243 5700.5	+1.2074277	-0.5973132	-0.3066173	243 5900.5	+0.0896636	+1.4200175	+0.6494014
243 5704.5	+1.2357079	-0.5476898	-0.2845993	243 5904.5	+0.0359371	+1.4258280	+0.6535120
243 5708.5	+1.2617685	-0.4970827	-0.2620702	243 5908.5	-0.0178336	+1.4298904	+0.6568215
243 5712.5	+1.2855624	-0.4455827	-0.2390703	243 5912.5	-0.0715827	+1.4322155	+0.6593329
243 5716.5	+1.3070478	-0.3932825	-0.2156410	243 5916.5	-0.1252458	+1.4328162	+0.6610505
243 5720.5	+1.3261885	-0.3402769	-0.1918249	243 5920.5	-0.1787594	+1.4317065	+0.6619789
243 5724.5	+1.3429534	-0.2866616	-0.1676652	243 5924.5	-0.2320616	+1.4289023	+0.6621239
243 5728.5	+1.3573171	-0.2325337	-0.1432056	243 5928.5	-0.2850915	+1.4244211	+0.6614918
243 5732.5	+1.3692597	-0.1779911	-0.1184906	243 5932.5	-0.3377896	+1.4182817	+0.6600897
243 5736.5	+1.3787671	-0.1231318	-0.0935648	243 5936.5	-0.3900977	+1.4105042	+0.6579251
243 5740.5	+1.3858306	-0.0680543	-0.0684732	243 5940.5	-0.4419588	+1.4011101	+0.6550065
243 5744.5	+1.3904470	-0.0128565	-0.0432606	243 5944.5	-0.4933173	+1.3901223	+0.6513429
243 5748.5	+1.3926187	+0.0423639	-0.0179719	243 5948.5	-0.5441188	+1.3775646	+0.6469437
243 5752.5	+1.3923536	+0.0975103	+0.0073482	243 5952.5	-0.5943103	+1.3634622	+0.6418190
243 5756.5	+1.3896645	+0.1524869	+0.0326557	243 5956.5	-0.6438399	+1.3478412	+0.6359796
243 5760.5	+1.3845698	+0.2071997	+0.0579066	243 5960.5	-0.6926573	+1.3307289	+0.6294364
243 5764.5	+1.3770925	+0.2615559	+0.0830579	243 5964.5	-0.7407132	+1.3121535	+0.6222012
243 5768.5	+1.3672605	+0.3154651	+0.1080672	243 5968.5	-0.7879597	+1.2921441	+0.6142860
243 5772.5	+1.3551065	+0.3688385	+0.1328930	243 5972.5	-0.8343503	+1.2707307	+0.6057034
243 5776.5	+1.3406674	+0.4215901	+0.1574948	243 5976.5	-0.8798394	+1.2479443	+0.5964663
243 5780.5	+1.3239844	+0.4736361	+0.1818329	243 5980.5	-0.9243830	+1.2238167	+0.5865882
243 5784.5	+1.3051024	+0.5248955	+0.2058692	243 5984.5	-0.9679383	+1.1983803	+0.5760827
243 5788.5	+1.2840704	+0.5752904	+0.2295663	243 5988.5	-1.0104634	+1.1716686	+0.5649642
243 5792.5	+1.2609406	+0.6247454	+0.2528884	243 5992.5	-1.0519182	+1.1437154	+0.5532471
243 5796.5	+1.2357684	+0.6731887	+0.2758010	243 5996.5	-1.0922632	+1.1145556	+0.5409463
243 5800.5	+1.2086124	+0.7205514	+0.2982709	243 6000.5	-1.1314606	+1.0842245	+0.5280770
243 5804.5	+1.1795337	+0.7667679	+0.3202663	243 6004.5	-1.1694735	+1.0527583	+0.5146549
243 5808.5	+1.1485960	+0.8117760	+0.3417570	243 6008.5	-1.2062663	+1.0201935	+0.5006957
243 5812.5	+1.1158651	+0.8555169	+0.3627142	243 6012.5	-1.2418045	+0.9865676	+0.4862158
243 5816.5	+1.0814090	+0.8979353	+0.3831107	243 6016.5	-1.2760548	+0.9519184	+0.4712315
243 5820.5	+1.0452973	+0.9389790	+0.4029207	243 6020.5	-1.3089852	+0.9162844	+0.4557597
243 5824.5	+1.0076012	+0.9785996	+0.4221200	243 6024.5	-1.3405647	+0.8797046	+0.4398175
243 5828.5	+0.9683931	+1.0167518	+0.4406859	243 6028.5	-1.3707634	+0.8422186	+0.4234223
243 5832.5	+0.9277466	+1.0533940	+0.4585974	243 6032.5	-1.3995526	+0.8038666	+0.4065916
243 5836.5	+0.8857361	+1.0884876	+0.4758346	243 6036.5	-1.4269049	+0.7646890	+0.3893434
243 5840.5	+0.8424368	+1.1219975	+0.4923796	243 6040.5	-1.4527938	+0.7247272	+0.3716959
243 5844.5	+0.7979244	+1.1538918	+0.5082156	243 6044.5	-1.4771942	+0.6840226	+0.3536674
243 5848.5	+0.7522749	+1.1841419	+0.5233274	243 6048.5	-1.5000817	+0.6426175	+0.3352768

Julian Day	x	y	z	Julian Day	x	y	z
243 6052.5	-1.5214336	+0.6005544	+0.3165428	243 6252.5	-0.5028046	-1.2873778	-0.5774164
243 6056.5	-1.5412278	+0.5578764	+0.2974848	243 6256.5	-0.4475520	-1.2986800	-0.5840888
243 6060.5	-1.5594438	+0.5146271	+0.2781221	243 6260.5	-0.3916625	-1.3081335	-0.5899297
243 6064.5	-1.5760620	+0.4708504	+0.2584744	243 6264.5	-0.3352099	-1.3157053	-0.5949221
243 6068.5	-1.5910640	+0.4265907	+0.2385616	243 6268.5	-0.2782702	-1.3213650	-0.5990498
243 6072.5	-1.6044325	+0.3818931	+0.2184038	243 6272.5	-0.2209221	-1.3250842	-0.6022978
243 6076.5	-1.6161514	+0.3368028	+0.1980215	243 6276.5	-0.1632463	-1.3268375	-0.6046522
243 6080.5	-1.6262060	+0.2913656	+0.1774353	243 6280.5	-0.1053261	-1.3266021	-0.6061003
243 6084.5	-1.6345824	+0.2456277	+0.1566659	243 6284.5	-0.0472466	-1.3243582	-0.6066308
243 6088.5	-1.6412683	+0.1996357	+0.1357345	243 6288.5	+0.0109050	-1.3200892	-0.6062337
243 6092.5	-1.6462523	+0.1534366	+0.1146623	243 6292.5	+0.0690395	-1.3137816	-0.6049003
243 6096.5	-1.6495245	+0.1070780	+0.0934708	243 6296.5	+0.1270663	-1.3054255	-0.6026238
243 6100.5	-1.6510761	+0.0606077	+0.0721819	243 6300.5	+0.1848929	-1.2950143	-0.5993985
243 6104.5	-1.6508996	+0.0140739	+0.0508174	243 6304.5	+0.2424256	-1.2825454	-0.5952209
243 6108.5	-1.6489888	-0.0324747	+0.0293995	243 6308.5	+0.2995694	-1.2680201	-0.5900889
243 6112.5	-1.6453390	-0.0789890	+0.0079506	243 6312.5	+0.3562284	-1.2514433	-0.5840022
243 6116.5	-1.6399466	-0.1254197	-0.0135067	243 6316.5	+0.4123060	-1.2328243	-0.5769625
243 6120.5	-1.6328095	-0.1717169	-0.0349496	243 6320.5	+0.4677050	-1.2121767	-0.5689734
243 6124.5	-1.6239272	-0.2178306	-0.0563552	243 6324.5	+0.5223279	-1.1895182	-0.5600044
243 6128.5	-1.6133002	-0.2637102	-0.0777002	243 6328.5	+0.5760775	-1.1648709	-0.5501710
243 6132.5	-1.6009309	-0.3093050	-0.0989613	243 6332.5	+0.6288565	-1.1382615	-0.5393749
243 6136.5	-1.5868230	-0.3545638	-0.1201148	243 6336.5	+0.6805686	-1.1097210	-0.5276638
243 6140.5	-1.5709818	-0.3994353	-0.1411372	243 6340.5	+0.7311182	-1.0792850	-0.5150514
243 6144.5	-1.5534143	-0.4438678	-0.1620044	243 6344.5	+0.7804108	-1.0469937	-0.5015536
243 6148.5	-1.5341290	-0.4878093	-0.1826924	243 6348.5	+0.8283538	-1.0128918	-0.4871884
243 6152.5	-1.5131360	-0.5312078	-0.2031771	243 6352.5	+0.8748560	-0.9770283	-0.4719759
243 6156.5	-1.4904472	-0.5740108	-0.2234340	243 6356.5	+0.9198286	-0.9394567	-0.4559383
243 6160.5	-1.4660764	-0.6161660	-0.2434387	243 6360.5	+0.9631855	-0.9002349	-0.4390998
243 6164.5	-1.4400390	-0.6576206	-0.2631665	243 6364.5	+1.0048430	-0.8594249	-0.4214867
243 6168.5	-1.4123523	-0.6983219	-0.2825930	243 6368.5	+1.0447208	-0.8170928	-0.4031270
243 6172.5	-1.3830356	-0.7382171	-0.3016932	243 6372.5	+1.0827420	-0.7733087	-0.3840510
243 6176.5	-1.3521099	-0.7772534	-0.3204424	243 6376.5	+1.1188333	-0.7281462	-0.3642904
243 6180.5	-1.3195985	-0.8153780	-0.3388157	243 6380.5	+1.1529256	-0.6816827	-0.3438790
243 6184.5	-1.2855265	-0.8525381	-0.3567882	243 6384.5	+1.1849539	-0.6339988	-0.3228519
243 6188.5	-1.2499213	-0.8886813	-0.3743351	243 6388.5	+1.2148576	-0.5851783	-0.3012460
243 6192.5	-1.2128122	-0.9237551	-0.3914316	243 6392.5	+1.2425812	-0.5353075	-0.2790994
243 6196.5	-1.1742309	-0.9577073	-0.4080528	243 6396.5	+1.2680737	-0.4844756	-0.2564517
243 6200.5	-1.1342113	-0.9904863	-0.4241741	243 6400.5	+1.2912895	-0.4327738	-0.2333436
243 6204.5	-1.0927894	-1.0220405	-0.4397709	243 6404.5	+1.3121881	-0.3802953	-0.2098167
243 6208.5	-1.0500038	-1.0523190	-0.4548187	243 6408.5	+1.3307345	-0.3271351	-0.1859137
243 6212.5	-1.0058953	-1.0812715	-0.4692935	243 6412.5	+1.3468991	-0.2733892	-0.1616778
243 6216.5	-0.9605071	-1.1088402	-0.4831711	243 6416.5	+1.3606577	-0.2191550	-0.1371532
243 6220.5	-0.9138850	-1.1350002	-0.4964279	243 6420.5	+1.3719920	-0.1645302	-0.1123841
243 6224.5	-0.8660772	-1.1596792	-0.5090405	243 6424.5	+1.3808890	-0.1096131	-0.0874154
243 6228.5	-0.8171344	-1.1828383	-0.5209858	243 6428.5	+1.3873415	-0.0545019	-0.0622919
243 6232.5	-0.7671098	-1.2044311	-0.5322413	243 6432.5	+1.3913475	+0.0007056	-0.0370584
243 6236.5	-0.7160593	-1.2244128	-0.5427848	243 6436.5	+1.3929109	+0.0559119	-0.0117599
243 6240.5	-0.6640412	-1.2427397	-0.5525948	243 6440.5	+1.3920406	+0.1110206	+0.0135592
243 6244.5	-0.6111166	-1.2593696	-0.5616501	243 6444.5	+1.3887509	+0.1659364	+0.0388547
243 6248.5	-0.5573490	-1.2742620	-0.5699306	243 6448.5	+1.3830611	+0.2205656	+0.0640832

Julian Day	x	y	z	Julian Day	x	y	z
243 6452.5	+1.3749955	+0.2748160	+0.0892016	243 6652.5	-0.7526344	+1.3070727	+0.6201859
243 6456.5	+1.3645832	+0.3285974	+0.1141679	243 6656.5	-0.7996765	+1.2867047	+0.6121006
243 6460.5	+1.3518578	+0.3818220	+0.1389407	243 6660.5	-0.8458506	+1.2649401	+0.6033509
243 6464.5	+1.3368573	+0.4344041	+0.1634796	243 6664.5	-0.8911117	+1.2418103	+0.5939500
243 6468.5	+1.3196236	+0.4862606	+0.1877456	243 6668.5	-0.9354160	+1.2173471	+0.5839113
243 6472.5	+1.3002029	+0.5373114	+0.2117004	243 6672.5	-0.9787209	+1.1915833	+0.5732488
243 6476.5	+1.2786448	+0.5874789	+0.2353073	243 6676.5	-1.0209851	+1.1645524	+0.5619767
243 6480.5	+1.2550021	+0.6366889	+0.2585306	243 6680.5	-1.0621683	+1.1362886	+0.5501097
243 6484.5	+1.2293313	+0.6848701	+0.2813362	243 6684.5	-1.1022317	+1.1068270	+0.5376628
243 6488.5	+1.2016914	+0.7319544	+0.3036912	243 6688.5	-1.1411377	+1.0762030	+0.5246512
243 6492.5	+1.1721441	+0.7778770	+0.3255642	243 6692.5	-1.1788495	+1.0444530	+0.5110906
243 6496.5	+1.1407537	+0.8225767	+0.3469254	243 6696.5	-1.2153320	+1.0116137	+0.4969971
243 6500.5	+1.1075866	+0.8659953	+0.3677463	243 6700.5	-1.2505510	+0.9777228	+0.4823869
243 6504.5	+1.0727110	+0.9080782	+0.3880000	243 6704.5	-1.2844734	+0.9428182	+0.4672766
243 6508.5	+1.0361971	+0.9487744	+0.4076612	243 6708.5	-1.3170674	+0.9069386	+0.4516830
243 6512.5	+0.9981162	+0.9880360	+0.4267060	243 6712.5	-1.3483024	+0.8701232	+0.4356234
243 6516.5	+0.9585410	+1.0258186	+0.4451121	243 6716.5	-1.3781489	+0.8324118	+0.4191151
243 6520.5	+0.9175455	+1.0620814	+0.4628587	243 6720.5	-1.4065784	+0.7938445	+0.4021760
243 6524.5	+0.8752043	+1.0967866	+0.4799265	243 6724.5	-1.4335636	+0.7544621	+0.3848239
243 6528.5	+0.8315925	+1.1298999	+0.4962977	243 6728.5	-1.4590786	+0.7143060	+0.3670772
243 6532.5	+0.7867861	+1.1613902	+0.5119560	243 6732.5	-1.4830982	+0.6734179	+0.3489542
243 6536.5	+0.7408610	+1.1912294	+0.5268866	243 6736.5	-1.5055988	+0.6318401	+0.3304739
243 6540.5	+0.6938935	+1.2193928	+0.5410758	243 6740.5	-1.5265575	+0.5896153	+0.3116552
243 6544.5	+0.6459598	+1.2458585	+0.5545118	243 6744.5	-1.5459529	+0.5467866	+0.2925173
243 6548.5	+0.5971359	+1.2706076	+0.5671838	243 6748.5	-1.5637645	+0.5033979	+0.2730797
243 6552.5	+0.5474976	+1.2936240	+0.5790823	243 6752.5	-1.5799731	+0.4594931	+0.2533623
243 6556.5	+0.49771203	+1.3148945	+0.5901993	243 6756.5	-1.5945606	+0.4151170	+0.2333849
243 6560.5	+0.4460787	+1.3344085	+0.6005278	243 6760.5	-1.6075100	+0.3703144	+0.2131677
243 6564.5	+0.3944472	+1.3521581	+0.6100623	243 6764.5	-1.6188055	+0.3251309	+0.1927313
243 6568.5	+0.3422992	+1.3681376	+0.6187982	243 6768.5	-1.6284327	+0.2796123	+0.1720962
243 6572.5	+0.2897075	+1.3823441	+0.6267321	243 6772.5	-1.6363780	+0.2338050	+0.1512835
243 6576.5	+0.2367440	+1.3947767	+0.6338619	243 6776.5	-1.6426295	+0.1877557	+0.1303141
243 6580.5	+0.1834796	+1.4054371	+0.6401862	243 6780.5	-1.6471760	+0.1415115	+0.1092095
243 6584.5	+0.1299842	+1.4143287	+0.6457048	243 6784.5	-1.6500079	+0.0951201	+0.0879912
243 6588.5	+0.0763266	+1.4214572	+0.6504185	243 6788.5	-1.6511169	+0.0486293	+0.0666811
243 6592.5	+0.0225747	+1.4268304	+0.6543290	243 6792.5	-1.6504957	+0.0020876	+0.0453010
243 6596.5	-0.0312049	+1.4304576	+0.6574389	243 6796.5	-1.6481385	-0.0444562	+0.0238734
243 6600.5	-0.0849467	+1.4323502	+0.6597515	243 6800.5	-1.6440409	-0.0909532	+0.0024205
243 6604.5	-0.1385865	+1.4325213	+0.6612711	243 6804.5	-1.6381997	-0.1373536	-0.0190349
243 6608.5	-0.1920612	+1.4309855	+0.6620029	243 6808.5	-1.6306132	-0.1836077	-0.0404700
243 6612.5	-0.2453090	+1.4277591	+0.6619525	243 6812.5	-1.6212811	-0.2296653	-0.0618619
243 6616.5	-0.2982695	+1.4228598	+0.6611265	243 6816.5	-1.6102046	-0.2754758	-0.0831871
243 6620.5	-0.3508834	+1.4163068	+0.6595322	243 6820.5	-1.5973861	-0.3209882	-0.1044224
243 6624.5	-0.4030927	+1.4081207	+0.6571773	243 6824.5	-1.5828300	-0.3661515	-0.1255441
243 6628.5	-0.4548408	+1.3983232	+0.6540705	243 6828.5	-1.5665418	-0.4109141	-0.1465284
243 6632.5	-0.5060723	+1.3869375	+0.6502207	243 6832.5	-1.5485290	-0.4552244	-0.1673514
243 6636.5	-0.5567332	+1.3739878	+0.6456377	243 6836.5	-1.5288005	-0.4990303	-0.1879889
243 6640.5	-0.6067707	+1.3594995	+0.6403317	243 6840.5	-1.5073668	-0.5422797	-0.2084168
243 6644.5	-0.6561333	+1.3434991	+0.6343135	243 6844.5	-1.4842405	-0.5849201	-0.2286107
243 6648.5	-0.7047709	+1.3260140	+0.6275943	243 6848.5	-1.4594355	-0.6268990	-0.2485460

Julian Day	<i>x</i>	<i>y</i>	<i>z</i>	Julian Day	<i>x</i>	<i>y</i>	<i>z</i>
243 6852.5	-1.4329678	-0.6681637	-0.2681982	243 7052.5	+1.0155884	-0.8484256	-0.4167187
243 6856.5	-1.4048553	-0.7086615	-0.2875426	243 7056.5	+1.0549885	-0.8057101	-0.3981701
243 6860.5	-1.3751176	-0.7483396	-0.3065543	243 7060.5	+1.0925123	-0.7615620	-0.3789135
243 6864.5	-1.3437764	-0.7871451	-0.3252085	243 7064.5	+1.1280878	-0.7160558	-0.3589812
243 6868.5	-1.3108554	-0.8250251	-0.3434805	243 7068.5	+1.1616468	-0.6692697	-0.3384072
243 6872.5	-1.2763804	-0.8619272	-0.3613452	243 7072.5	+1.1931256	-0.6212853	-0.3172274
243 6876.5	-1.2403791	-0.8977986	-0.3787779	243 7076.5	+1.2224651	-0.5721869	-0.2954787
243 6880.5	-1.2028817	-0.9325870	-0.3957536	243 7080.5	+1.2496107	-0.5220618	-0.2731997
243 6884.5	-1.1639202	-0.9662405	-0.4122477	243 7084.5	+1.2745130	-0.4709995	-0.2504304
243 6888.5	-1.1235292	-0.9987072	-0.4282355	243 7088.5	+1.2971278	-0.4190919	-0.2272116
243 6892.5	-1.0817453	-1.0299358	-0.4436924	243 7092.5	+1.3174161	-0.3664326	-0.2035853
243 6896.5	-1.0386078	-1.0598756	-0.4585941	243 7096.5	+1.3353443	-0.3131169	-0.1795942
243 6900.5	-0.9941580	-1.0884763	-0.4729163	243 7100.5	+1.3508842	-0.2592412	-0.1552820
243 6904.5	-0.9484399	-1.1156884	-0.4866353	243 7104.5	+1.3640132	-0.2049027	-0.1306926
243 6908.5	-0.9014999	-1.1414630	-0.4997272	243 7108.5	+1.3747145	-0.1501996	-0.1058706
243 6912.5	-0.8533867	-1.1657523	-0.5121689	243 7112.5	+1.3829766	-0.0952299	-0.0808607
243 6916.5	-0.8041519	-1.1885093	-0.5239374	243 7116.5	+1.3887937	-0.0400917	-0.0557078
243 6920.5	-0.7538493	-1.2096883	-0.5350101	243 7120.5	+1.3921653	+0.0151171	-0.0304569
243 6924.5	-0.7025356	-1.2292444	-0.5453652	243 7124.5	+1.3930967	+0.0702995	-0.0051524
243 6928.5	-0.6502696	-1.2471345	-0.5549811	243 7128.5	+1.3915982	+0.1253593	+0.0201610
243 6932.5	-0.5971133	-1.2633168	-0.5638370	243 7132.5	+1.3876855	+0.1802018	+0.0454395
243 6936.5	-0.5431308	-1.2777510	-0.5719126	243 7136.5	+1.3813791	+0.2347336	+0.0706397
243 6940.5	-0.4883889	-1.2903986	-0.5791887	243 7140.5	+1.3727046	+0.2888631	+0.0957189
243 6944.5	-0.4329571	-1.3012230	-0.5856464	243 7144.5	+1.3616923	+0.3425008	+0.1206351
243 6948.5	-0.3769074	-1.3101898	-0.5912680	243 7148.5	+1.3483770	+0.3955593	+0.1453473
243 6952.5	-0.3203140	-1.3172666	-0.5960366	243 7152.5	+1.3327975	+0.4479538	+0.1698156
243 6956.5	-0.2632539	-1.3224233	-0.5999365	243 7156.5	+1.3149971	+0.4996021	+0.1940009
243 6960.5	-0.2058062	-1.3256325	-0.6029528	243 7160.5	+1.2950226	+0.5504244	+0.2178656
243 6964.5	-0.1480524	-1.3268694	-0.6050720	243 7164.5	+1.2729246	+0.6003444	+0.2413731
243 6968.5	-0.0900763	-1.3261120	-0.6062818	243 7168.5	+1.2487569	+0.6492885	+0.2644882
243 6972.5	-0.0319636	-1.3233413	-0.6065711	243 7172.5	+1.2225764	+0.6971862	+0.2871771
243 6976.5	+0.0261979	-1.3185414	-0.6059303	243 7176.5	+1.1944429	+0.7439704	+0.3094074
243 6980.5	+0.0843186	-1.3116998	-0.6043513	243 7180.5	+1.1644189	+0.7895773	+0.3311480
243 6984.5	+0.1423074	-1.3028076	-0.6018274	243 7184.5	+1.1325690	+0.8339463	+0.3523695
243 6988.5	+0.2000713	-1.2918591	-0.5983536	243 7188.5	+1.0989602	+0.8770204	+0.3730438
243 6992.5	+0.2575164	-1.2788528	-0.5939267	243 7192.5	+1.0636611	+0.9187458	+0.3931444
243 6996.5	+0.3145472	-1.2637908	-0.5885451	243 7196.5	+1.0267421	+0.9590723	+0.4126465
243 7000.5	+0.3710678	-1.2466795	-0.5822090	243 7200.5	+0.9882751	+0.9979530	+0.4315265
243 7004.5	+0.4269813	-1.2275291	-0.5749208	243 7204.5	+0.9483329	+1.0353444	+0.4497625
243 7008.5	+0.4821904	-1.2063543	-0.5666843	243 7208.5	+0.9069897	+1.0712065	+0.4673342
243 7012.5	+0.5365977	-1.1831739	-0.5575057	243 7212.5	+0.8643200	+1.1055024	+0.4842226
243 7016.5	+0.5901057	-1.1580115	-0.5473932	243 7216.5	+0.8203995	+1.1381986	+0.5004103
243 7020.5	+0.6426177	-1.1308947	-0.5363569	243 7220.5	+0.7753037	+1.1692647	+0.5158813
243 7024.5	+0.6940373	-1.1018558	-0.5244089	243 7224.5	+0.7291090	+1.1986737	+0.5306213
243 7028.5	+0.7442692	-1.0709318	-0.5115637	243 7228.5	+0.6818913	+1.2264014	+0.5446169
243 7032.5	+0.7932195	-1.0381639	-0.4978378	243 7232.5	+0.6337268	+1.2524267	+0.5578566
243 7036.5	+0.8407957	-1.0035981	-0.4832496	243 7236.5	+0.5846916	+1.2767315	+0.5703299
243 7040.5	+0.8869076	-0.9672845	-0.4678199	243 7240.5	+0.5348612	+1.2993005	+0.5820278
243 7044.5	+0.9314669	-0.9292779	-0.4515713	243 7244.5	+0.4843108	+1.3201209	+0.5929425
243 7048.5	+0.9743880	-0.8896372	-0.4345286	243 7248.5	+0.4331151	+1.3391829	+0.6030674

Julian Day	x	y	z	Julian Day	x	y	z
243 7252.5	+0.3813482	+1.3564792	+0.6123970	243 7452.5	-1.6213617	+0.3135772	+0.1874839
243 7256.5	+0.3290833	+1.3720047	+0.6209274	243 7456.5	-1.6305650	+0.2679783	+0.1668005
243 7260.5	+0.2763929	+1.3857572	+0.6286552	243 7460.5	-1.6380833	+0.2221026	+0.1459448
243 7264.5	+0.2233486	+1.3977362	+0.6355785	243 7464.5	-1.6439046	+0.1759968	+0.1249380
243 7268.5	+0.1700212	+1.4079439	+0.6416964	243 7468.5	-1.6480184	+0.1297084	+0.1038015
243 7272.5	+0.1164802	+1.4163843	+0.6470088	243 7472.5	-1.6504154	+0.0832850	+0.0825569
243 7276.5	+0.0627943	+1.4230637	+0.6515167	243 7476.5	-1.6510873	+0.0367746	+0.0612260
243 7280.5	+0.0090308	+1.4279901	+0.6552221	243 7480.5	-1.6500275	-0.0097742	+0.0398310
243 7284.5	-0.0447438	+1.4311735	+0.6581277	243 7484.5	-1.6472304	-0.0563126	+0.0183941
243 7288.5	-0.0984644	+1.4326255	+0.6602372	243 7488.5	-1.6426918	-0.1027914	-0.0030622
243 7292.5	-0.1520670	+1.4323598	+0.6615550	243 7492.5	-1.6364092	-0.1491609	-0.0245152
243 7296.5	-0.2054891	+1.4303912	+0.6620863	243 7496.5	-1.6283810	-0.1953712	-0.0459420
243 7300.5	-0.2586689	+1.4267365	+0.6618372	243 7500.5	-1.6186073	-0.2413719	-0.0673195
243 7304.5	-0.3115465	+1.4214137	+0.6608143	243 7504.5	-1.6070897	-0.2871125	-0.0886244
243 7308.5	-0.3640629	+1.4144423	+0.6590249	243 7508.5	-1.5938312	-0.3325419	-0.1098333
243 7312.5	-0.4161604	+1.4058433	+0.6564772	243 7512.5	-1.5788362	-0.3776090	-0.1309224
243 7316.5	-0.4677827	+1.3956387	+0.6531797	243 7516.5	-1.5621111	-0.4222621	-0.1518680
243 7320.5	-0.5188748	+1.3838519	+0.6491418	243 7520.5	-1.5436634	-0.4664494	-0.1726461
243 7324.5	-0.5693830	+1.3705075	+0.6443732	243 7524.5	-1.5235026	-0.5101190	-0.1932326
243 7328.5	-0.6192548	+1.3556311	+0.6388843	243 7528.5	-1.5016397	-0.5532186	-0.2136031
243 7332.5	-0.6684390	+1.3392494	+0.6326860	243 7532.5	-1.4780875	-0.5956957	-0.2337333
243 7336.5	-0.7168858	+1.3213901	+0.6257896	243 7536.5	-1.4528606	-0.6374978	-0.2535986
243 7340.5	-0.7645467	+1.3020820	+0.6182071	243 7540.5	-1.4259755	-0.6785722	-0.2731744
243 7344.5	-0.8113743	+1.2813547	+0.6099507	243 7544.5	-1.3974504	-0.7188660	-0.2924360
243 7348.5	-0.8573226	+1.2592386	+0.6010333	243 7548.5	-1.3673056	-0.7583265	-0.3113586
243 7352.5	-0.9023467	+1.2357652	+0.5914681	243 7552.5	-1.3355632	-0.7969008	-0.3299173
243 7356.5	-0.9464033	+1.2109665	+0.5812685	243 7556.5	-1.3022473	-0.8345362	-0.3480873
243 7360.5	-0.9894499	+1.1848757	+0.5704487	243 7560.5	-1.2673844	-0.8711800	-0.3658438
243 7364.5	-1.0314456	+1.1575263	+0.5590230	243 7564.5	-1.2310028	-0.9067797	-0.3831617
243 7368.5	-1.0723505	+1.1289527	+0.5470060	243 7568.5	-1.1931329	-0.9412831	-0.4000164
243 7372.5	-1.1121260	+1.0991901	+0.5344130	243 7572.5	-1.1538077	-0.9746382	-0.4163831
243 7376.5	-1.1507346	+1.0682743	+0.5212592	243 7576.5	-1.1130621	-1.0067933	-0.4322371
243 7380.5	-1.1881402	+1.0362417	+0.5075605	243 7580.5	-1.0709334	-1.0376973	-0.4475541
243 7384.5	-1.2243076	+1.0031292	+0.4933329	243 7584.5	-1.0274614	-1.0672996	-0.4623095
243 7388.5	-1.2592030	+0.9689746	+0.4785927	243 7588.5	-0.9826882	-1.0955499	-0.4764794
243 7392.5	-1.2927937	+0.9333816	+0.4633567	243 7592.5	-0.9366582	-1.1223991	-0.4900398
243 7396.5	-1.3250481	+0.8976923	+0.4476418	243 7596.5	-0.8894184	-1.1477984	-0.5029673
243 7400.5	-1.3559359	+0.8606428	+0.4314652	243 7600.5	-0.8410184	-1.1717004	-0.5152386
243 7404.5	-1.3854278	+0.8227073	+0.4148444	243 7604.5	-0.7915101	-1.1940582	-0.5268309
243 7408.5	-1.4134957	+0.7839263	+0.3977973	243 7608.5	-0.7409483	-1.2148263	-0.5377218
243 7412.5	-1.4401126	+0.7443406	+0.3803419	243 7612.5	-0.6893899	-1.2339605	-0.5478895
243 7416.5	-1.4652527	+0.7039917	+0.3624964	243 7616.5	-0.6368947	-1.2514179	-0.5573126
243 7420.5	-1.4888913	+0.6629215	+0.3442796	243 7620.5	-0.5835251	-1.2671569	-0.5659705
243 7424.5	-1.5110050	+0.6211724	+0.3257101	243 7624.5	-0.5293460	-1.2811377	-0.5738431
243 7428.5	-1.5315712	+0.5787872	+0.3068071	243 7628.5	-0.4744248	-1.2933225	-0.5809112
243 7432.5	-1.5505686	+0.5358093	+0.2875900	243 7632.5	-0.4188316	-1.3036751	-0.5871564
243 7436.5	-1.5679773	+0.4922824	+0.2680781	243 7636.5	-0.3626389	-1.3121614	-0.5925610
243 7440.5	-1.5837782	+0.4482509	+0.2482914	243 7640.5	-0.3059216	-1.3187498	-0.5971085
243 7444.5	-1.5979534	+0.4037593	+0.2282499	243 7644.5	-0.2487574	-1.3234108	-0.6007833
243 7448.5	-1.6104864	+0.3588529	+0.2079739	243 7648.5	-0.1912259	-1.3261176	-0.6035710

Julian Day	<i>x</i>	<i>y</i>	<i>z</i>	Julian Day	<i>x</i>	<i>y</i>	<i>z</i>
243 7652.5	-0.1334091	-1.3268460	-0.6054582	243 7852.5	+1.2667318	+0.6132234	+0.2474600
243 7656.5	-0.0753914	-1.3255748	-0.6064330	243 7856.5	+1.2420381	+0.6619050	+0.2704688
243 7660.5	-0.0172589	-1.3222858	-0.6064846	243 7860.5	+1.2153469	+0.7095222	+0.2930427
243 7664.5	+0.0409001	-1.3169639	-0.6056039	243 7864.5	+1.1867187	+0.7560086	+0.3151497
243 7668.5	+0.0989955	-1.3095975	-0.6037829	243 7868.5	+1.1562166	+0.8013014	+0.3367590
243 7672.5	+0.1569357	-1.3001784	-0.6010156	243 7872.5	+1.1239059	+0.8453409	+0.3578416
243 7676.5	+0.2146276	-1.2887020	-0.5972973	243 7876.5	+1.0898541	+0.8880708	+0.3783699
243 7680.5	+0.2719766	-1.2751677	-0.5926251	243 7880.5	+1.0541302	+0.9294385	+0.3983178
243 7684.5	+0.3288874	-1.2595786	-0.5869980	243 7884.5	+1.0168052	+0.9693946	+0.4176607
243 7688.5	+0.3852636	-1.2419421	-0.5804168	243 7888.5	+0.9779511	+1.0078930	+0.4363756
243 7692.5	+0.4410081	-1.2222695	-0.5728839	243 7892.5	+0.9376411	+1.0448913	+0.4544410
243 7696.5	+0.4960236	-1.2005765	-0.5644041	243 7896.5	+0.8959496	+1.0803502	+0.4718369
243 7700.5	+0.5502127	-1.1768832	-0.5549840	243 7900.5	+0.8529515	+1.1142337	+0.4885448
243 7704.5	+0.6034780	-1.1512141	-0.5446320	243 7904.5	+0.8087223	+1.1465093	+0.5045477
243 7708.5	+0.6557226	-1.1235980	-0.5333590	243 7908.5	+0.7633379	+1.1771475	+0.5198300
243 7712.5	+0.7068506	-1.0940685	-0.5211777	243 7912.5	+0.7168743	+1.2061218	+0.5343775
243 7716.5	+0.7567669	-1.0626636	-0.5081030	243 7916.5	+0.6694079	+1.2334092	+0.5481776
243 7720.5	+0.8053778	-1.0294256	-0.4941519	243 7920.5	+0.6210146	+1.2589891	+0.5612189
243 7724.5	+0.8525914	-0.9944017	-0.4793434	243 7924.5	+0.5717704	+1.2828443	+0.5734914
243 7728.5	+0.8983177	-0.9576433	-0.4636988	243 7928.5	+0.5217507	+1.3049602	+0.5849863
243 7732.5	+0.9424693	-0.9192061	-0.4472414	243 7932.5	+0.4710306	+1.3253248	+0.5956962
243 7736.5	+0.9849611	-0.8791502	-0.4299963	243 7936.5	+0.4196847	+1.3439289	+0.6056147
243 7740.5	+1.0257114	-0.8375398	-0.4119910	243 7940.5	+0.3677867	+1.3607659	+0.6147370
243 7744.5	+1.0646413	-0.7944431	-0.3932545	243 7944.5	+0.3154097	+1.3758315	+0.6230590
243 7748.5	+1.1016759	-0.7499322	-0.3738179	243 7948.5	+0.2626260	+1.3891237	+0.6305779
243 7752.5	+1.1367440	-0.7040827	-0.3537141	243 7952.5	+0.2095070	+1.4006431	+0.6372921
243 7756.5	+1.1697785	-0.6569737	-0.3329775	243 7956.5	+0.1561229	+1.4103921	+0.6432008
243 7760.5	+1.2007168	-0.6086875	-0.3116443	243 7960.5	+0.1025432	+1.4183754	+0.6483042
243 7764.5	+1.2295008	-0.5593092	-0.2897520	243 7964.5	+0.0488362	+1.4245997	+0.6526036
243 7768.5	+1.2560775	-0.5089269	-0.2673394	243 7968.5	-0.0049311	+1.4290736	+0.6561012
243 7772.5	+1.2803985	-0.4576308	-0.2444469	243 7972.5	-0.0586925	+1.4318075	+0.6588000
243 7776.5	+1.3024210	-0.4055131	-0.2211155	243 7976.5	-0.1123832	+1.4328136	+0.6607037
243 7780.5	+1.3221074	-0.3526682	-0.1973875	243 7980.5	-0.1659397	+1.4321058	+0.6618172
243 7784.5	+1.3394253	-0.2991916	-0.1733060	243 7984.5	-0.2192996	+1.4296996	+0.6621457
243 7788.5	+1.3543482	-0.2451801	-0.1489146	243 7988.5	-0.2724017	+1.4256119	+0.6616955
243 7792.5	+1.3668549	-0.1907312	-0.1242576	243 7992.5	-0.3251862	+1.4198612	+0.6604735
243 7796.5	+1.3769299	-0.1359430	-0.0993795	243 7996.5	-0.3775946	+1.4124674	+0.6584871
243 7800.5	+1.3845632	-0.0809139	-0.0743252	243 8000.5	-0.4295695	+1.4034516	+0.6557445
243 7804.5	+1.3897504	-0.0257418	-0.0491396	243 8004.5	-0.4810550	+1.3928364	+0.6522547
243 7808.5	+1.3924926	+0.0294756	-0.0238676	243 8008.5	-0.5319964	+1.3806454	+0.6480269
243 7812.5	+1.3927964	+0.0846413	+0.0014463	243 8012.5	-0.5823403	+1.3669034	+0.6430711
243 7816.5	+1.3906734	+0.1396595	+0.0267576	243 8016.5	-0.6320346	+1.3516363	+0.6373979
243 7820.5	+1.3861408	+0.1944357	+0.0520225	243 8020.5	-0.6810285	+1.3348711	+0.6310182
243 7824.5	+1.3792204	+0.2488770	+0.0771978	243 8024.5	-0.7292726	+1.3166357	+0.6239435
243 7828.5	+1.3699390	+0.3028923	+0.1022410	243 8028.5	-0.7767184	+1.2969592	+0.6161858
243 7832.5	+1.3583281	+0.3563925	+0.1271103	243 8032.5	-0.8233193	+1.2758712	+0.6077576
243 7836.5	+1.3444237	+0.4092910	+0.1517650	243 8036.5	-0.8690293	+1.2534027	+0.5986718
243 7840.5	+1.3282659	+0.4615035	+0.1761654	243 8040.5	-0.9138040	+1.2295850	+0.5889416
243 7844.5	+1.3098988	+0.5129484	+0.2002727	243 8044.5	-0.9576003	+1.2044506	+0.5785806
243 7848.5	+1.2893702	+0.5635470	+0.2240497	243 8048.5	-1.0003762	+1.1780326	+0.5676031

Julian Day	x	y	z	Julian Day	x	y	z
243 8052.5	-1.0420910	+1.1503648	+0.5560234	243 8252.5	-1.2213309	-0.9158047	-0.3875707
243 8056.5	-1.0827051	+1.1214819	+0.5438564	243 8256.5	-1.1830824	-0.9500209	-0.4043037
243 8060.5	-1.1221802	+1.0914191	+0.5311172	243 8260.5	-1.1433874	-0.9830754	-0.4205423
243 8064.5	-1.1604791	+1.0602123	+0.5178213	243 8264.5	-1.1022815	-1.0149166	-0.4362619
243 8068.5	-1.1975661	+1.0278981	+0.5039846	243 8268.5	-1.0598028	-1.0454936	-0.4514381
243 8072.5	-1.2334062	+0.9945137	+0.4896231	243 8272.5	-1.0159915	-1.0747557	-0.4660465
243 8076.5	-1.2679660	+0.9600968	+0.4747533	243 8276.5	-0.9708903	-1.1026532	-0.4800632
243 8080.5	-1.3012130	+0.9246859	+0.4593919	243 8280.5	-0.9245445	-1.1291369	-0.4934643
243 8084.5	-1.3331160	+0.8883198	+0.4435560	243 8284.5	-0.8770016	-1.1541583	-0.5062263
243 8088.5	-1.3636449	+0.8510379	+0.4272629	243 8288.5	-0.8283119	-1.1776702	-0.5183263
243 8092.5	-1.3927707	+0.8128804	+0.4105301	243 8292.5	-0.7785280	-1.1996262	-0.5297415
243 8096.5	-1.4204655	+0.7738877	+0.3933755	243 8296.5	-0.7277052	-1.2199809	-0.5404495
243 8100.5	-1.4467028	+0.7341009	+0.3758173	243 8300.5	-0.6759014	-1.2386906	-0.5504288
243 8104.5	-1.4714570	+0.6935614	+0.3578738	243 8304.5	-0.6231769	-1.2557126	-0.5596582
243 8108.5	-1.4947036	+0.6523114	+0.3395636	243 8308.5	-0.5695948	-1.2710059	-0.5681171
243 8112.5	-1.5164195	+0.6103933	+0.3209057	243 8312.5	-0.5152205	-1.2845313	-0.5757858
243 8116.5	-1.5365825	+0.5678500	+0.3019191	243 8316.5	-0.4601223	-1.2962513	-0.5826451
243 8120.5	-1.5551716	+0.5247252	+0.2826232	243 8320.5	-0.4043709	-1.3061302	-0.5886770
243 8124.5	-1.5721669	+0.4810626	+0.2630377	243 8324.5	-0.3480393	-1.3141347	-0.5938640
243 8128.5	-1.5875499	+0.4369066	+0.2431825	243 8328.5	-0.2912032	-1.3202336	-0.5981899
243 8132.5	-1.6013029	+0.3923020	+0.2230776	243 8332.5	-0.2339407	-1.3243982	-0.6016393
243 8136.5	-1.6134097	+0.3472941	+0.2027433	243 8336.5	-0.1763322	-1.3266024	-0.6041982
243 8140.5	-1.6238550	+0.3019286	+0.1822003	243 8340.5	-0.1184601	-1.3268227	-0.6058536
243 8144.5	-1.6326249	+0.2562516	+0.1614692	243 8344.5	-0.0604093	-1.3250388	-0.6065937
243 8148.5	-1.6397066	+0.2103096	+0.1405712	243 8348.5	-0.0022665	-1.3212332	-0.6064083
243 8152.5	-1.6450885	+0.1641497	+0.1195276	243 8352.5	+0.0558795	-1.3153917	-0.6052886
243 8156.5	-1.6487604	+0.1178191	+0.0983596	243 8356.5	+0.1139384	-1.3075036	-0.6032270
243 8160.5	-1.6507132	+0.0713658	+0.0770892	243 8360.5	+0.1718181	-1.2975617	-0.6002179
243 8164.5	-1.6509392	+0.0248378	+0.0557381	243 8364.5	+0.2294253	-1.2855625	-0.5962571
243 8168.5	-1.6494318	-0.0217162	+0.0343285	243 8368.5	+0.2866650	-1.2715061	-0.5913422
243 8172.5	-1.6461859	-0.0682473	+0.0128827	243 8372.5	+0.3434418	-1.2553969	-0.5854726
243 8176.5	-1.6411978	-0.1147061	-0.0085766	243 8376.5	+0.3996591	-1.2372431	-0.5786495
243 8180.5	-1.6344649	-0.1610429	-0.0300268	243 8380.5	+0.4552198	-1.2170574	-0.5708760
243 8184.5	-1.6259864	-0.2072076	-0.0514450	243 8384.5	+0.5100266	-1.1948564	-0.5621572
243 8188.5	-1.6157626	-0.2531499	-0.0728078	243 8388.5	+0.5639820	-1.1706614	-0.5525003
243 8192.5	-1.6037955	-0.2988189	-0.0940921	243 8392.5	+0.6169889	-1.1444980	-0.5419143
243 8196.5	-1.5900884	-0.3441638	-0.1152743	243 8396.5	+0.6689507	-1.1163961	-0.5304106
243 8200.5	-1.5746463	-0.3891330	-0.1363306	243 8400.5	+0.7197716	-1.0863906	-0.5180023
243 8204.5	-1.5574758	-0.4336750	-0.1572373	243 8404.5	+0.7693569	-1.0545203	-0.5047049
243 8208.5	-1.5385850	-0.4777379	-0.1779703	243 8408.5	+0.8176135	-1.0208290	-0.4905360
243 8212.5	-1.5179837	-0.5212696	-0.1985054	243 8412.5	+0.8644500	-0.9853648	-0.4755151
243 8216.5	-1.4956834	-0.5642178	-0.2188182	243 8416.5	+0.9097770	-0.9481801	-0.4596640
243 8220.5	-1.4716975	-0.6065300	-0.2388844	243 8420.5	+0.9535078	-0.9093318	-0.4430063
243 8224.5	-1.4460409	-0.6481536	-0.2586794	243 8424.5	+0.9955580	-0.8688810	-0.4255680
243 8228.5	-1.4187306	-0.6890358	-0.2781785	243 8428.5	+1.0358467	-0.8268928	-0.4073766
243 8232.5	-1.3897854	-0.7291239	-0.2973570	243 8432.5	+1.0742962	-0.7834364	-0.3884620
243 8236.5	-1.3592259	-0.7683651	-0.3161900	243 8436.5	+1.1108322	-0.7385847	-0.3688554
243 8240.5	-1.3270750	-0.8067064	-0.3346528	243 8440.5	+1.1453848	-0.6924142	-0.3485903
243 8244.5	-1.2933572	-0.8440951	-0.3527204	243 8444.5	+1.1778881	-0.6450048	-0.3277014
243 8248.5	-1.2580996	-0.8804787	-0.3703680	243 8448.5	+1.2082803	-0.5964394	-0.3062253

Julian Day	x	y	z	Julian Day	x	y	z
243 8452.5	+1.2365049	-0.5468040	-0.2841997	243 8652.5	+0.0351109	+1.4258365	+0.6535379
243 8456.5	+1.2625099	-0.4961869	-0.2616640	243 8656.5	-0.0186638	+1.4298709	+0.6568338
243 8460.5	+1.2862483	-0.4446790	-0.2386584	243 8660.5	-0.0724159	+1.4321681	+0.6593316
243 8464.5	+1.3076787	-0.3923731	-0.2152246	243 8664.5	-0.1260807	+1.4327408	+0.6610356
243 8468.5	+1.3267645	-0.3393636	-0.1914049	243 8668.5	-0.1795951	+1.4316032	+0.6619505
243 8472.5	+1.3434751	-0.2857464	-0.1672424	243 8672.5	-0.2328969	+1.4287713	+0.6620819
243 8476.5	+1.3577851	-0.2316185	-0.1427811	243 8676.5	-0.2859253	+1.4242625	+0.6614363
243 8480.5	+1.3696748	-0.1770777	-0.1180651	243 8680.5	-0.3386209	+1.4180955	+0.6600206
243 8484.5	+1.3791299	-0.1222219	-0.0931393	243 8684.5	-0.3909254	+1.4102906	+0.6578426
243 8488.5	+1.3861420	-0.0671495	-0.0680484	243 8688.5	-0.4427818	+1.4008694	+0.6549106
243 8492.5	+1.3907080	-0.0119584	-0.0428374	243 8692.5	-0.4941345	+1.3898547	+0.6512336
243 8496.5	+1.3928302	+0.0432538	-0.0175510	243 8696.5	-0.5449293	+1.3772703	+0.6468212
243 8500.5	+1.3925166	+0.0983906	+0.0077662	243 8700.5	-0.5951129	+1.3631414	+0.6416834
243 8504.5	+1.3897801	+0.1533563	+0.0330699	243 8704.5	-0.6446337	+1.3474943	+0.6358309
243 8508.5	+1.3846391	+0.2080569	+0.0583165	243 8708.5	-0.6934412	+1.3303561	+0.6292748
243 8512.5	+1.3771166	+0.2623999	+0.0834628	243 8712.5	-0.7414863	+1.3117551	+0.6220269
243 8516.5	+1.3672406	+0.3162946	+0.1084667	243 8716.5	-0.7887210	+1.2917205	+0.6140990
243 8520.5	+1.3550437	+0.3696526	+0.1332864	243 8720.5	-0.8350987	+1.2702823	+0.6055040
243 8524.5	+1.3405629	+0.4223877	+0.1578816	243 8724.5	-0.8805740	+1.2474715	+0.5962546
243 8528.5	+1.3238393	+0.4744164	+0.1822128	243 8728.5	-0.9251029	+1.2233198	+0.5863643
243 8532.5	+1.3049179	+0.5256577	+0.2062416	243 8732.5	-0.9686424	+1.1978599	+0.5758470
243 8536.5	+1.2838477	+0.5760336	+0.2299308	243 8736.5	-1.0111510	+1.1711250	+0.5647167
243 8540.5	+1.2606809	+0.6254689	+0.2532446	243 8740.5	-1.0525881	+1.1431491	+0.5529881
243 8544.5	+1.2354729	+0.6738918	+0.2761484	243 8744.5	-1.0929147	+1.1139671	+0.5406760
243 8548.5	+1.2082823	+0.7212334	+0.2986092	243 8748.5	-1.1320928	+1.0836144	+0.5277957
243 8552.5	+1.1791702	+0.7674283	+0.3205953	243 8752.5	-1.1700854	+1.0521271	+0.5143627
243 8556.5	+1.1482002	+0.8124143	+0.3420763	243 8756.5	-1.2068571	+1.0195418	+0.5003929
243 8560.5	+1.1154383	+0.8561325	+0.3630235	243 8760.5	-1.2423733	+0.9858959	+0.4859027
243 8564.5	+1.0809523	+0.8985277	+0.3834096	243 8764.5	-1.2766008	+0.9512273	+0.4709084
243 8568.5	+1.0448118	+0.9395477	+0.4032091	243 8768.5	-1.3095075	+0.9155745	+0.4554268
243 8572.5	+1.0070881	+0.9791442	+0.4223976	243 8772.5	-1.3410624	+0.8789766	+0.4394751
243 8576.5	+0.9678536	+1.0172720	+0.4409524	243 8776.5	-1.3712358	+0.8414732	+0.4230707
243 8580.5	+0.9271818	+1.0538892	+0.4588526	243 8780.5	-1.3999990	+0.8031044	+0.4062312
243 8584.5	+0.8851472	+1.0889576	+0.4760783	243 8784.5	-1.4273244	+0.7639108	+0.3889745
243 8588.5	+0.8418250	+1.1224420	+0.4926116	243 8788.5	-1.4531857	+0.7239335	+0.3713188
243 8592.5	+0.7972908	+1.1543105	+0.5084357	243 8792.5	-1.4775576	+0.6832143	+0.3532825
243 8596.5	+0.7516206	+1.1845345	+0.5235354	243 8796.5	-1.5004161	+0.6417953	+0.3348843
243 8600.5	+0.7048906	+1.2130883	+0.5378970	243 8800.5	-1.5217381	+0.5997190	+0.3161432
243 8604.5	+0.6571770	+1.2399495	+0.5515080	243 8804.5	-1.5415018	+0.5570286	+0.2970783
243 8608.5	+0.6085558	+1.2650985	+0.5643574	243 8808.5	-1.5596865	+0.5137676	+0.2777092
243 8612.5	+0.5591029	+1.2885185	+0.5764356	243 8812.5	-1.5762728	+0.4699800	+0.2580554
243 8616.5	+0.5088938	+1.3101958	+0.5877341	243 8816.5	-1.5912421	+0.4257103	+0.2381369
243 8620.5	+0.4580033	+1.3301190	+0.5982458	243 8820.5	-1.6045773	+0.3810034	+0.2179738
243 8624.5	+0.4065059	+1.3482796	+0.6079647	243 8824.5	-1.6162623	+0.3359047	+0.1975866
243 8628.5	+0.3544752	+1.3646715	+0.6168861	243 8828.5	-1.6262823	+0.2904598	+0.1769958
243 8632.5	+0.3019840	+1.3792911	+0.6250063	243 8832.5	-1.6346235	+0.2447151	+0.1562222
243 8636.5	+0.2491046	+1.3921372	+0.6323229	243 8836.5	-1.6412735	+0.1987172	+0.1352871
243 8640.5	+0.1959079	+1.4032106	+0.6388342	243 8840.5	-1.6462211	+0.1525132	+0.1142115
243 8644.5	+0.1424642	+1.4125145	+0.6445400	243 8844.5	-1.6494563	+0.1061504	+0.0930172
243 8648.5	+0.0888425	+1.4200541	+0.6494408	243 8848.5	-1.6509702	+0.0596769	+0.0717258

Julian Day	x	y	z	Julian Day	x	y	z
243 8852.5	-1.6507555	+0.0131408	+0.0503593	243 9052.5	+0.2442896	-1.2819340	-0.5949852
243 8856.5	-1.6488060	-0.0334091	+0.0289398	243 9056.5	+0.3014284	-1.2673446	-0.5898228
243 8860.5	-1.6451168	-0.0799238	+0.0074898	243 9060.5	+0.3580791	-1.2507037	-0.5837055
243 8864.5	-1.6396846	-0.1263539	-0.0139682	243 9064.5	+0.4141449	-1.2320206	-0.5766352
243 8868.5	-1.6325072	-0.1726495	-0.0354113	243 9068.5	+0.4695286	-1.2113091	-0.5686154
243 8872.5	-1.6235840	-0.2187604	-0.0568166	243 9072.5	+0.5241328	-1.1885870	-0.5596519
243 8876.5	-1.6129158	-0.2646363	-0.0781608	243 9076.5	+0.5778600	-1.1638767	-0.5497521
243 8880.5	-1.6005048	-0.3102263	-0.0994205	243 9080.5	+0.6306132	-1.1372050	-0.5389259
243 8884.5	-1.5863548	-0.3554793	-0.1205723	243 9084.5	+0.6822959	-1.1086031	-0.5271851
243 8888.5	-1.5704712	-0.4003437	-0.1415922	243 9088.5	+0.7328125	-1.0781070	-0.5145433
243 8892.5	-1.5528609	-0.4447680	-0.1624565	243 9092.5	+0.7820687	-1.0457569	-0.5010168
243 8896.5	-1.5335324	-0.4887002	-0.1831411	243 9096.5	+0.8299717	-1.0115977	-0.4866235
243 8900.5	-1.5124959	-0.5320881	-0.2036217	243 9100.5	+0.8764306	-0.9756787	-0.4713836
243 8904.5	-1.4897634	-0.5748794	-0.2238739	243 9104.5	+0.9213568	-0.9380535	-0.4553194
243 8908.5	-1.4653486	-0.6170215	-0.2438734	243 9108.5	+0.9646639	-0.8987802	-0.4384553
243 8912.5	-1.4392671	-0.6584618	-0.2635954	243 9112.5	+1.0062687	-0.8579211	-0.4208175
243 8916.5	-1.4115361	-0.6991474	-0.2830154	243 9116.5	+1.0460908	-0.8155423	-0.4024343
243 8920.5	-1.3821750	-0.7390257	-0.3021084	243 9120.5	+1.0840536	-0.7717140	-0.3833358
243 8924.5	-1.3512048	-0.7780436	-0.3208499	243 9124.5	+1.1200839	-0.7265103	-0.3635541
243 8928.5	-1.3186489	-0.8161484	-0.3392147	243 9128.5	+1.1541128	-0.6800085	-0.3431228
243 8932.5	-1.2845325	-0.8532873	-0.3571781	243 9132.5	+1.1860754	-0.6322894	-0.3220773
243 8936.5	-1.2488829	-0.8894078	-0.3747152	243 9136.5	+1.2159115	-0.5834367	-0.3004543
243 8940.5	-1.2117297	-0.9244573	-0.3918011	243 9140.5	+1.2435656	-0.5335371	-0.2782922
243 8944.5	-1.1731045	-0.9583838	-0.4084111	243 9144.5	+1.2689870	-0.4826797	-0.2556305
243 8948.5	-1.1330412	-0.9911354	-0.4245203	243 9148.5	+1.2921304	-0.4309559	-0.2325099
243 8952.5	-1.0915760	-1.0226607	-0.4401043	243 9152.5	+1.3129555	-0.3784589	-0.2089722
243 8956.5	-1.0487476	-1.0529087	-0.4551387	243 9156.5	+1.3314275	-0.3252837	-0.1850600
243 8960.5	-1.0045969	-1.0818291	-0.4695990	243 9160.5	+1.3475171	-0.2715264	-0.1608166
243 8964.5	-0.9591671	-1.1093719	-0.4834615	243 9164.5	+1.3612003	-0.2172842	-0.1362861
243 8968.5	-0.9125042	-1.1354884	-0.4967024	243 9168.5	+1.3724589	-0.1626551	-0.1115128
243 8972.5	-0.8646564	-1.1601303	-0.5092982	243 9172.5	+1.3812804	-0.1077370	-0.0865415
243 8976.5	-0.8156745	-1.1832504	-0.5212259	243 9176.5	+1.3876576	-0.0526283	-0.0614170
243 8980.5	-0.7656119	-1.2048027	-0.5324630	243 9180.5	+1.3915890	+0.0025732	-0.0361842
243 8984.5	-0.7145246	-1.2247421	-0.5429873	243 9184.5	+1.3930784	+0.0577702	-0.0108880
243 8988.5	-0.6624710	-1.2430251	-0.5527772	243 9188.5	+1.3921350	+0.1128664	+0.0144273
243 8992.5	-0.6095122	-1.2596095	-0.5618117	243 9192.5	+1.3887733	+0.1677666	+0.0397176
243 8996.5	-0.5557120	-1.2744546	-0.5700705	243 9196.5	+1.3830129	+0.2223771	+0.0649393
243 9000.5	-0.5011366	-1.2875215	-0.5775339	243 9200.5	+1.3748782	+0.2766059	+0.0900495
243 9004.5	-0.4458548	-1.2987733	-0.5841830	243 9204.5	+1.3643985	+0.3303630	+0.1150062
243 9008.5	-0.3899381	-1.3081748	-0.5899999	243 9208.5	+1.3516074	+0.3835606	+0.1397681
243 9012.5	-0.3334601	-1.3156932	-0.5949675	243 9212.5	+1.3365430	+0.4361132	+0.1642950
243 9016.5	-0.2764973	-1.3212979	-0.5990697	243 9216.5	+1.3192476	+0.4879379	+0.1885478
243 9020.5	-0.2191284	-1.3249609	-0.6022916	243 9220.5	+1.2997672	+0.5389547	+0.2124883
243 9024.5	-0.1614342	-1.3266566	-0.6046191	243 9224.5	+1.2781516	+0.5890863	+0.2360798
243 9028.5	-0.1034980	-1.3263625	-0.6060398	243 9228.5	+1.2544537	+0.6382584	+0.2592868
243 9032.5	-0.0454053	-1.3240588	-0.6065423	243 9232.5	+1.2287300	+0.6863999	+0.2820752
243 9036.5	+0.0127569	-1.3197289	-0.6061165	243 9236.5	+1.2010396	+0.7334430	+0.3044122
243 9040.5	+0.0708991	-1.3133595	-0.6047541	243 9240.5	+1.1714442	+0.7793230	+0.3262664
243 9044.5	+0.1289305	-1.3049408	-0.6024481	243 9244.5	+1.1400082	+0.8239788	+0.3476081
243 9048.5	+0.1867586	-1.2944665	-0.5991930	243 9248.5	+1.1067979	+0.8673523	+0.3684089

Julian Day	x	y	z	Julian Day	x	y	z
243 9252.5	+1.0718816	+0.9093892	+0.3886420	243 9452.5	-1.2851748	+0.9421917	+0.4669811
243 9256.5	+1.0353293	+0.9500385	+0.4082821	243 9456.5	-1.3177427	+0.9062941	+0.4513778
243 9260.5	+0.9972125	+0.9892525	+0.4273053	243 9460.5	-1.3489513	+0.8694617	+0.4353089
243 9264.5	+0.9576040	+1.0269869	+0.4456895	243 9464.5	-1.3787709	+0.8317341	+0.4187918
243 9268.5	+0.9165774	+1.0632009	+0.4634138	243 9468.5	-1.4071732	+0.7931518	+0.4018443
243 9272.5	+0.8742075	+1.0978570	+0.4804591	243 9472.5	-1.4341310	+0.7537553	+0.3844844
243 9276.5	+0.8305694	+1.1309209	+0.4968076	243 9476.5	-1.4596182	+0.7135861	+0.3667302
243 9280.5	+0.7857388	+1.1623616	+0.5124431	243 9480.5	-1.4836099	+0.6726858	+0.3486003
243 9284.5	+0.7397919	+1.1921512	+0.5273506	243 9484.5	-1.5060822	+0.6310968	+0.3301135
243 9288.5	+0.6928047	+1.2202650	+0.5415168	243 9488.5	-1.5270125	+0.5888617	+0.3112888
243 9292.5	+0.6448534	+1.2466811	+0.5549297	243 9492.5	-1.5463794	+0.5460238	+0.2921453
243 9296.5	+0.5960140	+1.2713808	+0.5675786	243 9496.5	-1.5641622	+0.5026268	+0.2727027
243 9300.5	+0.5463621	+1.2943481	+0.5794541	243 9500.5	-1.5803419	+0.4587147	+0.2529807
243 9304.5	+0.4959732	+1.3155698	+0.5905480	243 9504.5	-1.5949004	+0.4143322	+0.2329991
243 9308.5	+0.4449219	+1.3350353	+0.6008537	243 9508.5	-1.6078208	+0.3695242	+0.2127783
243 9312.5	+0.3932825	+1.3527368	+0.6103655	243 9512.5	-1.6190872	+0.3243361	+0.1923387
243 9316.5	+0.3411283	+1.3686688	+0.6190788	243 9516.5	-1.6286852	+0.2788140	+0.1717009
243 9320.5	+0.2885321	+1.3828283	+0.6269903	243 9520.5	-1.6366014	+0.2330041	+0.1508858
243 9324.5	+0.2355657	+1.3952144	+0.6340979	243 9524.5	-1.6428237	+0.1869531	+0.1299147
243 9328.5	+0.1822999	+1.4058289	+0.6404002	243 9528.5	-1.6473411	+0.1407082	+0.1088087
243 9332.5	+0.1288046	+1.4146752	+0.6458971	243 9532.5	-1.6501440	+0.0943169	+0.0875895
243 9336.5	+0.0751486	+1.4217592	+0.6505894	243 9536.5	-1.6512240	+0.0478272	+0.0662789
243 9340.5	+0.0213997	+1.4270884	+0.6544787	243 9540.5	-1.6505739	+0.0012875	+0.0448990
243 9344.5	-0.0323756	+1.4306724	+0.6575676	243 9544.5	-1.6481879	-0.0452535	+0.0234718
243 9348.5	-0.0861119	+1.4325226	+0.6598596	243 9548.5	-1.6440617	-0.0917466	+0.0020199
243 9352.5	-0.1397449	+1.4326520	+0.6613589	243 9552.5	-1.6381920	-0.1381423	-0.0194342
243 9356.5	-0.1932116	+1.4310752	+0.6620707	243 9556.5	-1.6305771	-0.1843909	-0.0408674
243 9360.5	-0.2464504	+1.4278087	+0.6620006	243 9560.5	-1.6212168	-0.2304419	-0.0622570
243 9364.5	-0.2994007	+1.4228701	+0.6611554	243 9564.5	-1.6101123	-0.2762449	-0.0835794
243 9368.5	-0.3520033	+1.4162786	+0.6595421	243 9568.5	-1.5972661	-0.3217491	-0.1048115
243 9372.5	-0.4042003	+1.4080548	+0.6571686	243 9572.5	-1.5826825	-0.3669032	-0.1259295
243 9376.5	-0.4559352	+1.3982205	+0.6540435	243 9576.5	-1.5663672	-0.4116558	-0.1469097
243 9380.5	-0.5071525	+1.3867989	+0.6501758	243 9580.5	-1.5483274	-0.4559550	-0.1677281
243 9384.5	-0.5577983	+1.3738141	+0.6455753	243 9584.5	-1.5285723	-0.4997491	-0.1883607
243 9388.5	-0.6078198	+1.3592917	+0.6402522	243 9588.5	-1.5071124	-0.5429858	-0.2087831
243 9392.5	-0.6571656	+1.3432580	+0.6342173	243 9592.5	-1.4839601	-0.5856126	-0.2289711
243 9396.5	-0.7057855	+1.3257406	+0.6274819	243 9596.5	-1.4591295	-0.6275771	-0.2489001
243 9400.5	-0.7536308	+1.3067679	+0.6200576	243 9600.5	-1.4326367	-0.6688266	-0.2685455
243 9404.5	-0.8006537	+1.2863694	+0.6119568	243 9604.5	-1.4044994	-0.7093082	-0.2878827
243 9408.5	-0.8468081	+1.2645754	+0.6031920	243 9608.5	-1.3747374	-0.7489693	-0.3068867
243 9412.5	-0.8920487	+1.2414169	+0.5937765	243 9612.5	-1.3433723	-0.7877570	-0.3255329
243 9416.5	-0.9363319	+1.2169261	+0.5837237	243 9616.5	-1.3104279	-0.8256185	-0.3437964
243 9420.5	-0.9796151	+1.1911356	+0.5730474	243 9620.5	-1.2759299	-0.8625011	-0.3616523
243 9424.5	-1.0218569	+1.1640790	+0.5617620	243 9624.5	-1.2399062	-0.8983523	-0.3790756
243 9428.5	-1.0630173	+1.1357904	+0.5498821	243 9628.5	-1.2023867	-0.9331198	-0.3960417
243 9432.5	-1.1030573	+1.1063050	+0.5374227	243 9632.5	-1.1634039	-0.9667514	-0.4125257
243 9436.5	-1.1419393	+1.0756582	+0.5243991	243 9636.5	-1.1229919	-0.9991955	-0.4285029
243 9440.5	-1.1796268	+1.0438863	+0.5108271	243 9640.5	-1.0811878	-1.0304008	-0.4439489
243 9444.5	-1.2160844	+1.0110261	+0.4967224	243 9644.5	-1.0380305	-1.0603164	-0.4588392
243 9448.5	-1.2512781	+0.9771152	+0.4821016	243 9648.5	-0.9935615	-1.0888922	-0.4731497

Julian Day	x	y	z	Julian Day	x	y	z
243 9652.5	-0.9478249	-1.1160785	-0.4868565	243 9852.5	+1.3640024	-0.2034705	-0.1300106
243 9656.5	-0.9008670	-1.1418267	-0.4999359	243 9856.5	+1.3746465	-0.1487476	-0.1051776
243 9660.5	-0.8527367	-1.1660887	-0.5123646	243 9860.5	+1.3828501	-0.0937606	-0.0801578
243 9664.5	-0.8034853	-1.1888177	-0.5241197	243 9864.5	+1.3886076	-0.0386078	-0.0549961
243 9668.5	-0.7531670	-1.2099678	-0.5351787	243 9868.5	+1.3919188	+0.0166131	-0.0297376
243 9672.5	-0.7018381	-1.2294944	-0.5455197	243 9872.5	+1.3927890	+0.0718049	-0.0044269
243 9676.5	-0.6495579	-1.2473541	-0.5551210	243 9876.5	+1.3912287	+0.1268715	+0.0208915
243 9680.5	-0.5963880	-1.2635053	-0.5639620	243 9880.5	+1.3872537	+0.1817178	+0.0461737
243 9684.5	-0.5423928	-1.2779077	-0.5720224	243 9884.5	+1.3808849	+0.2362507	+0.0713762
243 9688.5	-0.4876390	-1.2905228	-0.5792828	243 9888.5	+1.3721480	+0.2903785	+0.0964564
243 9692.5	-0.4321962	-1.3013140	-0.5857244	243 9892.5	+1.3610734	+0.3440116	+0.1213723
243 9696.5	-0.3761363	-1.3102468	-0.5913296	243 9896.5	+1.3476960	+0.3970628	+0.1460828
243 9700.5	-0.3195337	-1.3172889	-0.5960815	243 9900.5	+1.3320551	+0.4494471	+0.1705480
243 9704.5	-0.2624653	-1.3224102	-0.5999642	243 9904.5	+1.3141938	+0.5010824	+0.1947290
243 9708.5	-0.2050104	-1.3255833	-0.6029630	243 9908.5	+1.2941594	+0.5518891	+0.2185880
243 9712.5	-0.1472504	-1.3267835	-0.6050644	243 9912.5	+1.2720024	+0.6017908	+0.2420886
243 9716.5	-0.0892691	-1.3259886	-0.6062559	243 9916.5	+1.2477769	+0.6507139	+0.2651955
243 9720.5	-0.0311524	-1.3231798	-0.6065267	243 9920.5	+1.2215400	+0.6985882	+0.2878749
243 9724.5	+0.0270120	-1.3183412	-0.6058671	243 9924.5	+1.1933516	+0.7453466	+0.3100946
243 9728.5	+0.0851345	-1.3114603	-0.6042688	243 9928.5	+1.1632742	+0.7909253	+0.3318234
243 9732.5	+0.1431237	-1.3025281	-0.6017254	243 9932.5	+1.1313727	+0.8352638	+0.3530319
243 9736.5	+0.2008867	-1.2915392	-0.5982319	243 9936.5	+1.0977141	+0.8783053	+0.3736922
243 9740.5	+0.2583295	-1.2784918	-0.5937849	243 9940.5	+1.0623672	+0.9199960	+0.3937779
243 9744.5	+0.3153567	-1.2633883	-0.5883829	243 9944.5	+1.0254025	+0.9602859	+0.4132639
243 9748.5	+0.3718721	-1.2462350	-0.5820263	243 9948.5	+0.9868919	+0.9991282	+0.4321270
243 9752.5	+0.4277788	-1.2270421	-0.5747172	243 9952.5	+0.9469085	+1.0364795	+0.4503452
243 9756.5	+0.4829795	-1.2058245	-0.5664597	243 9956.5	+0.9055262	+1.0722999	+0.4678983
243 9760.5	+0.5373767	-1.1826011	-0.5572599	243 9960.5	+0.8628199	+1.1065527	+0.4847673
243 9764.5	+0.5908729	-1.1573952	-0.5471260	243 9964.5	+0.8188652	+1.1392044	+0.5009349
243 9768.5	+0.6433712	-1.1302349	-0.5360682	243 9968.5	+0.7737377	+1.1702249	+0.5163853
243 9772.5	+0.6947752	-1.1011525	-0.5240987	243 9972.5	+0.7275137	+1.1995871	+0.5311039
243 9776.5	+0.7449896	-1.0701848	-0.5112319	243 9976.5	+0.6802694	+1.2272671	+0.5450777
243 9780.5	+0.7939204	-1.0373733	-0.4974843	243 9980.5	+0.6320808	+1.2532439	+0.5582951
243 9784.5	+0.8414751	-1.0027640	-0.4828745	243 9984.5	+0.5830240	+1.2774995	+0.5707457
243 9788.5	+0.8875633	-0.9664073	-0.4674233	243 9988.5	+0.5331745	+1.3000186	+0.5824205
243 9792.5	+0.9320968	-0.9283579	-0.4511534	243 9992.5	+0.4826077	+1.3207888	+0.5933118
243 9796.5	+0.9749900	-0.8886749	-0.4340895	243 9996.5	+0.4313981	+1.3398002	+0.6034130
243 9800.5	+1.0161601	-0.8474215	-0.4162587	244 0000.5	+0.3796197	+1.3570455	+0.6127189
243 9804.5	+1.0555278	-0.8046652	-0.3976895	244 0004.5	+0.3273458	+1.3725201	+0.6212252
243 9808.5	+1.0930171	-0.7604769	-0.3784126	244 0008.5	+0.2746489	+1.3862215	+0.6289289
243 9812.5	+1.1285558	-0.7149316	-0.3584604	244 0012.5	+0.2216006	+1.3981495	+0.6358281
243 9816.5	+1.1620759	-0.6681076	-0.3378671	244 0016.5	+0.1682714	+1.4083064	+0.6419218
243 9820.5	+1.1935137	-0.6200864	-0.3166684	244 0020.5	+0.1147310	+1.4166963	+0.6472102
243 9824.5	+1.2228099	-0.5709526	-0.2949016	244 0024.5	+0.0610478	+1.4233254	+0.6516941
243 9828.5	+1.2499102	-0.5207936	-0.2726051	244 0028.5	+0.0072894	+1.4282020	+0.6553756
243 9832.5	+1.2747653	-0.4696991	-0.2498190	244 0032.5	-0.0464780	+1.4313360	+0.6582574
243 9836.5	+1.2973310	-0.4177611	-0.2265843	244 0036.5	-0.1001894	+1.4327393	+0.6603434
243 9840.5	+1.3175683	-0.3650733	-0.2029428	244 0040.5	-0.1537808	+1.4324254	+0.6616379
243 9844.5	+1.3354437	-0.3117311	-0.1789376	244 0044.5	-0.2071897	+1.4304094	+0.6621461
243 9848.5	+1.3509292	-0.2578310	-0.1546122	244 0048.5	-0.2603545	+1.4267080	+0.6618742

Julian Day	x	y	z	Julian Day	x	y	z
244 0052.5	-0.3132153	+1.4213393	+0.6608289	244 0252.5	-1.6069379	-0.2881239	-0.0891206
244 0056.5	-0.3657130	+1.4143229	+0.6590174	244 0256.5	-1.5936421	-0.3335453	-0.1103268
244 0060.5	-0.4177903	+1.4056797	+0.6564479	244 0260.5	-1.5786105	-0.3786034	-0.1314129
244 0064.5	-0.4693908	+1.3954319	+0.6531291	244 0264.5	-1.5618491	-0.4232466	-0.1523549
244 0068.5	-0.5204596	+1.3836029	+0.6490702	244 0268.5	-1.5433658	-0.4674230	-0.1731288
244 0072.5	-0.5709429	+1.3702172	+0.6442811	244 0272.5	-1.5231699	-0.5110806	-0.1937107
244 0076.5	-0.6207884	+1.3553005	+0.6387721	244 0276.5	-1.5012725	-0.5541672	-0.2140760
244 0080.5	-0.6699451	+1.3388796	+0.6325541	244 0280.5	-1.4776865	-0.5966303	-0.2342005
244 0084.5	-0.7183632	+1.3209823	+0.6256385	244 0284.5	-1.4524264	-0.6384175	-0.2540597
244 0088.5	-0.7659940	+1.3016372	+0.6180373	244 0288.5	-1.4255089	-0.6794758	-0.2736288
244 0092.5	-0.8127905	+1.2808740	+0.6097628	244 0292.5	-1.3969521	-0.7197527	-0.2928832
244 0096.5	-0.8587066	+1.2587232	+0.6008277	244 0296.5	-1.3667764	-0.7591953	-0.3117981
244 0100.5	-0.9036977	+1.2352161	+0.5912452	244 0300.5	-1.3350039	-0.7977507	-0.3303487
244 0104.5	-0.9477202	+1.2103851	+0.5810289	244 0304.5	-1.3016589	-0.8353663	-0.3485100
244 0108.5	-0.9907320	+1.1842629	+0.5701929	244 0308.5	-1.2667676	-0.8719893	-0.3662573
244 0112.5	-1.0326920	+1.1568834	+0.5587515	244 0312.5	-1.2303586	-0.9075674	-0.3835656
244 0116.5	-1.0735605	+1.1282809	+0.5467194	244 0316.5	-1.1924624	-0.9420482	-0.4004102
244 0120.5	-1.1132990	+1.0984905	+0.5341118	244 0320.5	-1.1531119	-0.9753798	-0.4167663
244 0124.5	-1.1518699	+1.0675480	+0.5209439	244 0324.5	-1.1123420	-1.0075106	-0.4326094
244 0128.5	-1.1892373	+1.0354899	+0.5072317	244 0328.5	-1.0701902	-1.0383895	-0.4479148
244 0132.5	-1.2253660	+1.0023530	+0.4929910	244 0332.5	-1.0266962	-1.0679658	-0.4626584
244 0136.5	-1.2602222	+0.9681752	+0.4782384	244 0336.5	-0.9819020	-1.0961895	-0.4768160
244 0140.5	-1.2937734	+0.9329945	+0.4629904	244 0340.5	-0.9358524	-1.1230112	-0.4903638
244 0144.5	-1.3259879	+0.8968498	+0.4472640	244 0344.5	-0.8885942	-1.1483824	-0.5032782
244 0148.5	-1.3568354	+0.8597804	+0.4310764	244 0348.5	-0.8401771	-1.1722554	-0.5155360
244 0152.5	-1.3862868	+0.8218261	+0.4144452	244 0352.5	-0.7906531	-1.1945838	-0.5271145
244 0156.5	-1.4143139	+0.7830274	+0.3973882	244 0356.5	-0.7400767	-1.2153218	-0.5379913
244 0160.5	-1.4408898	+0.7434251	+0.3799233	244 0360.5	-0.6885053	-1.2344254	-0.5481445
244 0164.5	-1.4659888	+0.7030607	+0.3620690	244 0364.5	-0.6359985	-1.2518515	-0.5575529
244 0168.5	-1.4895861	+0.6619760	+0.3438437	244 0368.5	-0.5826187	-1.2675589	-0.5661957
244 0172.5	-1.5116583	+0.6202135	+0.3252664	244 0372.5	-0.5284308	-1.2815077	-0.5740530
244 0176.5	-1.5321830	+0.5778160	+0.3063560	244 0376.5	-0.4735023	-1.2936600	-0.5811056
244 0180.5	-1.5511390	+0.5348267	+0.2871320	244 0380.5	-0.4179033	-1.3039798	-0.5873350
244 0184.5	-1.5685062	+0.4912896	+0.2676138	244 0384.5	-0.3617063	-1.3124332	-0.5927237
244 0188.5	-1.5842655	+0.4472489	+0.2478212	244 0388.5	-0.3049864	-1.3189883	-0.5972551
244 0192.5	-1.5983993	+0.4027492	+0.2277744	244 0392.5	-0.2478209	-1.3236160	-0.6009138
244 0196.5	-1.6108910	+0.3578356	+0.2074935	244 0396.5	-0.1902897	-1.3262893	-0.6036851
244 0200.5	-1.6217251	+0.3125538	+0.1869991	244 0400.5	-0.1324748	-1.3269843	-0.6055560
244 0204.5	-1.6308872	+0.2669498	+0.1663119	244 0404.5	-0.0744605	-1.3256797	-0.6065144
244 0208.5	-1.6383646	+0.2210700	+0.1454528	244 0408.5	-0.0163330	-1.3223573	-0.6065496
244 0212.5	-1.6441451	+0.1749612	+0.1244432	244 0412.5	+0.0418194	-1.3170023	-0.6056525
244 0216.5	-1.6482184	+0.1286707	+0.1033043	244 0416.5	+0.0999068	-1.3096029	-0.6038152
244 0220.5	-1.6505750	+0.0822462	+0.0820578	244 0420.5	+0.1578375	-1.3001511	-0.6010316
244 0224.5	-1.6512069	+0.0357357	+0.0607255	244 0424.5	+0.2155183	-1.2886424	-0.5972971
244 0228.5	-1.6501072	-0.0108122	+0.0393296	244 0428.5	+0.2728548	-1.2750761	-0.5926089
244 0232.5	-1.6472706	-0.0573486	+0.0178923	244 0432.5	+0.3297517	-1.2594555	-0.5869660
244 0236.5	-1.6426930	-0.1038245	-0.0035639	244 0436.5	+0.3861124	-1.2417878	-0.5803690
244 0240.5	-1.6363715	-0.1501901	-0.0250162	244 0440.5	+0.4418401	-1.2220846	-0.5728206
244 0244.5	-1.6283048	-0.1963954	-0.0464419	244 0444.5	+0.4968375	-1.2003616	-0.5643255
244 0248.5	-1.6184931	-0.2423902	-0.0678178	244 0448.5	+0.5510070	-1.1766388	-0.5548903

Julian Day	<i>x</i>	<i>y</i>	<i>z</i>	Julian Day	<i>x</i>	<i>y</i>	<i>z</i>
244 0452.5	+0.6042514	-1.1509408	-0.5445236	244 0652.5	+0.8076009	+1.1469818	+0.5048095
244 0456.5	+0.6564739	-1.1232965	-0.5332360	244 0656.5	+0.7621837	+1.1775924	+0.5200794
244 0460.5	+0.7075785	-1.0937394	-0.5210405	244 0660.5	+0.7156889	+1.2065381	+0.5346140
244 0464.5	+0.7574701	-1.0623076	-0.5079518	244 0664.5	+0.6681926	+1.2337957	+0.5484006
244 0468.5	+0.8060552	-1.0290436	-0.4939871	244 0668.5	+0.6197710	+1.2593449	+0.5614279
244 0472.5	+0.8532418	-0.9939944	-0.4791653	244 0672.5	+0.5705000	+1.2831684	+0.5736859
244 0476.5	+0.8989401	-0.9572114	-0.4635078	244 0676.5	+0.5204552	+1.3052517	+0.5851658
244 0480.5	+0.9430625	-0.9187504	-0.4470378	244 0680.5	+0.4697118	+1.3255830	+0.5958603
244 0484.5	+0.9855242	-0.8786716	-0.4297806	244 0684.5	+0.4183442	+1.3441530	+0.6057631
244 0488.5	+1.0262432	-0.8370391	-0.4117634	244 0688.5	+0.3664263	+1.3609552	+0.6148691
244 0492.5	+1.0651411	-0.7939212	-0.3930155	244 0692.5	+0.3140312	+1.3759854	+0.6231746
244 0496.5	+1.1021426	-0.7493899	-0.3735679	244 0696.5	+0.2612313	+1.3892417	+0.6306768
244 0500.5	+1.1371767	-0.7035209	-0.3534535	244 0700.5	+0.2080979	+1.4007247	+0.6373739
244 0504.5	+1.1701765	-0.6563933	-0.3327067	244 0704.5	+0.1547014	+1.4104370	+0.6432652
244 0508.5	+1.2010792	-0.6080893	-0.3113638	244 0708.5	+0.1011112	+1.4183833	+0.6483512
244 0512.5	+1.2298269	-0.5586943	-0.2894621	244 0712.5	+0.0473955	+1.4245704	+0.6526330
244 0516.5	+1.2563664	-0.5082962	-0.2670407	244 0716.5	-0.0063785	+1.4290070	+0.6561128
244 0520.5	+1.2806496	-0.4569851	-0.2441397	244 0720.5	-0.0601447	+1.4317036	+0.6587937
244 0524.5	+1.3026336	-0.4048536	-0.2208004	244 0724.5	-0.1138383	+1.4326724	+0.6606796
244 0528.5	+1.3222807	-0.3519957	-0.1970649	244 0728.5	-0.1673959	+1.4319273	+0.6617752
244 0532.5	+1.3395589	-0.2985071	-0.1729764	244 0732.5	-0.2207548	+1.4294840	+0.6620859
244 0536.5	+1.3544414	-0.2444846	-0.1485785	244 0736.5	-0.2738542	+1.4253595	+0.6616179
244 0540.5	+1.3669071	-0.1900257	-0.1239154	244 0740.5	-0.3266342	+1.4195723	+0.6603781
244 0544.5	+1.3769405	-0.1352287	-0.0990318	244 0744.5	-0.3790362	+1.4121424	+0.6583742
244 0548.5	+1.3845318	-0.0801917	-0.0739725	244 0748.5	-0.4310029	+1.4030910	+0.6556143
244 0552.5	+1.3896765	-0.0250129	-0.0487824	244 0752.5	-0.4824785	+1.3924407	+0.6521072
244 0556.5	+1.3923758	+0.0302100	-0.0235065	244 0756.5	-0.5334083	+1.3802151	+0.6478624
244 0560.5	+1.3926363	+0.0853802	+0.0018107	244 0760.5	-0.5837389	+1.3664391	+0.6428899
244 0564.5	+1.3904697	+0.1404016	+0.0271247	244 0764.5	-0.6334184	+1.3511388	+0.6372002
244 0568.5	+1.3858930	+0.1951798	+0.0523918	244 0768.5	-0.6823958	+1.3343411	+0.6308043
244 0572.5	+1.3789284	+0.2496219	+0.0775687	244 0772.5	-0.7306218	+1.3160740	+0.6237139
244 0576.5	+1.3696026	+0.3036366	+0.1026129	244 0776.5	-0.7780482	+1.2963666	+0.6159407
244 0580.5	+1.3579473	+0.3571350	+0.1274825	244 0780.5	-0.8246281	+1.2752487	+0.6074974
244 0584.5	+1.3439982	+0.4100303	+0.1521369	244 0784.5	-0.8703157	+1.2527511	+0.5983969
244 0588.5	+1.3277958	+0.4622383	+0.1765363	244 0788.5	-0.9150668	+1.2289053	+0.5886524
244 0592.5	+1.3093841	+0.5136773	+0.2006419	244 0792.5	-0.9588381	+1.2037439	+0.5782776
244 0596.5	+1.2888112	+0.5642685	+0.2244165	244 0796.5	-1.0015879	+1.1772998	+0.5672867
244 0600.5	+1.2661285	+0.6139363	+0.2478238	244 0800.5	-1.0432753	+1.1496071	+0.5556942
244 0604.5	+1.2413909	+0.6626077	+0.2708289	244 0804.5	-1.0838609	+1.1207004	+0.5435148
244 0608.5	+1.2146562	+0.7102133	+0.2933984	244 0808.5	-1.1233065	+1.0906148	+0.5307637
244 0612.5	+1.1859849	+0.7566868	+0.3155002	244 0812.5	-1.1615751	+1.0593865	+0.5174564
244 0616.5	+1.1554403	+0.8019652	+0.3371037	244 0816.5	-1.1986307	+1.0270519	+0.5036088
244 0620.5	+1.1230877	+0.8459888	+0.3581798	244 0820.5	-1.2344386	+0.9936482	+0.4892369
244 0624.5	+1.0889947	+0.8887015	+0.3787009	244 0824.5	-1.2689654	+0.9592132	+0.4743573
244 0628.5	+1.0532304	+0.9300506	+0.3986409	244 0828.5	-1.3021786	+0.9237854	+0.4589867
244 0632.5	+1.0158658	+0.9699867	+0.4179752	244 0832.5	-1.3340472	+0.8874036	+0.4431421
244 0636.5	+0.9769731	+1.0084638	+0.4366808	244 0836.5	-1.3645410	+0.8501072	+0.4268409
244 0640.5	+0.9366256	+1.0454394	+0.4547363	244 0840.5	-1.3936311	+0.8119364	+0.4101005
244 0644.5	+0.8948976	+1.0808743	+0.4721217	244 0844.5	-1.4212898	+0.7729315	+0.3929389
244 0648.5	+0.8518641	+1.1147326	+0.4888184	244 0848.5	-1.4474904	+0.7331337	+0.3753742

Julian Day	<i>x</i>	<i>y</i>	<i>z</i>	Julian Day	<i>x</i>	<i>y</i>	<i>z</i>
244 0852.5	-1.4722075	+0.6925845	+0.3574247	244 1052.5	-0.6222869	-1.2560007	-0.5598230
244 0856.5	-1.4954167	+0.6513258	+0.3391091	244 1056.5	-0.5686880	-1.2712623	-0.5682668
244 0860.5	-1.5170948	+0.6094002	+0.3204463	244 1060.5	-0.5142983	-1.2847555	-0.5759202
244 0864.5	-1.5372196	+0.5668507	+0.3014554	244 1064.5	-0.4591857	-1.2964426	-0.5827639
244 0868.5	-1.5557704	+0.5237206	+0.2821558	244 1068.5	-0.4034212	-1.3062884	-0.5887799
244 0872.5	-1.5727273	+0.4800540	+0.2625671	244 1072.5	-0.3470779	-1.3142592	-0.5939508
244 0876.5	-1.5880715	+0.4358950	+0.2427092	244 1076.5	-0.2902315	-1.3203241	-0.5982604
244 0880.5	-1.6017858	+0.3912886	+0.2226020	244 1080.5	-0.2329600	-1.3244543	-0.6016933
244 0884.5	-1.6138537	+0.3462799	+0.2022661	244 1084.5	-0.1753440	-1.3266237	-0.6042354
244 0888.5	-1.6242601	+0.3009147	+0.1817219	244 1088.5	-0.1174659	-1.3268091	-0.6058738
244 0892.5	-1.6329911	+0.2552390	+0.1609903	244 1092.5	-0.0594106	-1.3249899	-0.6065969
244 0896.5	-1.6400339	+0.2092993	+0.1400921	244 1096.5	-0.0012650	-1.3211489	-0.6063943
244 0900.5	-1.6453771	+0.1631427	+0.1190488	244 1100.5	+0.0568824	-1.3152718	-0.6052572
244 0904.5	-1.6490103	+0.1168165	+0.0978817	244 1104.5	+0.1149409	-1.3073481	-0.6031783
244 0908.5	-1.6509246	+0.0703684	+0.0766125	244 1108.5	+0.1728186	-1.2973705	-0.6001517
244 0912.5	-1.6511121	+0.0238467	+0.0552632	244 1112.5	+0.2304220	-1.2853356	-0.5961734
244 0916.5	-1.6495665	-0.0227002	+0.0338558	244 1116.5	+0.2876563	-1.2712437	-0.5912410
244 0920.5	-1.6462827	-0.0692232	+0.0124128	244 1120.5	+0.3444259	-1.2550991	-0.5853540
244 0924.5	-1.6412568	-0.1156730	-0.0090435	244 1124.5	+0.4006342	-1.2369102	-0.5785134
244 0928.5	-1.6344865	-0.1620000	-0.0304901	244 1128.5	+0.4561841	-1.2166897	-0.5707227
244 0932.5	-1.6259708	-0.2081540	-0.0519043	244 1132.5	+0.5109784	-1.1944542	-0.5619868
244 0936.5	-1.6157102	-0.2540848	-0.0732627	244 1136.5	+0.5649195	-1.1702252	-0.5523129
244 0940.5	-1.6037065	-0.2997416	-0.0945422	244 1140.5	+0.6179103	-1.1440282	-0.5417102
244 0944.5	-1.5899632	-0.3450732	-0.1157192	244 1144.5	+0.6698543	-1.1158935	-0.5301899
244 0948.5	-1.5744854	-0.3900285	-0.1367699	244 1148.5	+0.7206555	-1.0858556	-0.5177654
244 0952.5	-1.5572794	-0.4345559	-0.1576706	244 1152.5	+0.7702195	-1.0539539	-0.5044521
244 0956.5	-1.5383536	-0.4786033	-0.1783971	244 1156.5	+0.8184531	-1.0202319	-0.4902675
244 0960.5	-1.5177177	-0.5221189	-0.1989254	244 1160.5	+0.8652648	-0.9847378	-0.4752314
244 0964.5	-1.4953833	-0.5650501	-0.2192311	244 1164.5	+0.9105655	-0.9475242	-0.4593655
244 0968.5	-1.4713636	-0.6073447	-0.2392898	244 1168.5	+0.9542682	-0.9086481	-0.4426935
244 0972.5	-1.4456738	-0.6489499	-0.2590768	244 1172.5	+0.9962890	-0.8681705	-0.4252413
244 0976.5	-1.4183308	-0.6898130	-0.2785676	244 1176.5	+1.0365467	-0.8261568	-0.4070366
244 0980.5	-1.3893534	-0.7298813	-0.2977374	244 1180.5	+1.0749637	-0.7826761	-0.3881092
244 0984.5	-1.3587624	-0.7691019	-0.3165615	244 1184.5	+1.1114660	-0.7378013	-0.3684905
244 0988.5	-1.3265804	-0.8074220	-0.3350148	244 1188.5	+1.1459836	-0.6916092	-0.3482138
244 0992.5	-1.2928322	-0.8447889	-0.3530727	244 1192.5	+1.1784506	-0.6441795	-0.3273141
244 0996.5	-1.2575447	-0.8811499	-0.3707102	244 1196.5	+1.2088056	-0.5955954	-0.3058277
244 1000.5	-1.2207469	-0.9164527	-0.3879024	244 1200.5	+1.2369918	-0.5459426	-0.2837926
244 1004.5	-1.1824699	-0.9506450	-0.4046246	244 1204.5	+1.2629574	-0.4953098	-0.2612480
244 1008.5	-1.1427471	-0.9836748	-0.4208520	244 1208.5	+1.2866557	-0.4437878	-0.2382345
244 1012.5	-1.1016143	-1.0154908	-0.4365601	244 1212.5	+1.3080451	-0.3914693	-0.2147933
244 1016.5	-1.0591092	-1.0460419	-0.4517244	244 1216.5	+1.3270894	-0.3384489	-0.1909671
244 1020.5	-1.0152724	-1.0752776	-0.4663206	244 1220.5	+1.3437579	-0.2848225	-0.1667989
244 1024.5	-0.9701466	-1.1031479	-0.4803247	244 1224.5	+1.3580253	-0.2306872	-0.1423327
244 1028.5	-0.9237770	-1.1296038	-0.4937129	244 1228.5	+1.3698720	-0.1761405	-0.1176127
244 1032.5	-0.8762113	-1.1545969	-0.5064618	244 1232.5	+1.3792839	-0.1212806	-0.0926836
244 1036.5	-0.8274996	-1.1780799	-0.5185483	244 1236.5	+1.3862526	-0.0662057	-0.0675902
244 1040.5	-0.7776948	-1.2000063	-0.5299496	244 1240.5	+1.3907750	-0.0110139	-0.0423776
244 1044.5	-0.7268520	-1.2203309	-0.5406435	244 1244.5	+1.3928537	+0.0441975	-0.0170903
244 1048.5	-0.6750293	-1.2390099	-0.5506083	244 1248.5	+1.3924965	+0.0993317	+0.0082268

Julian Day	x	y	z	Julian Day	x	y	z
244 1252.5	+1.3897167	+0.1542932	+0.0335298	244 1452.5	-0.6457563	+1.3469808	+0.6356153
244 1256.5	+1.3845324	+0.2089880	+0.0587747	244 1456.5	-0.6945539	+1.3298082	+0.6290422
244 1260.5	+1.3769670	+0.2633235	+0.0839187	244 1460.5	-0.7425878	+1.3111734	+0.6217775
244 1264.5	+1.3670484	+0.3172092	+0.1089194	244 1464.5	-0.7898101	+1.2911056	+0.6138331
244 1268.5	+1.3548093	+0.3705566	+0.1337352	244 1468.5	-0.8361742	+1.2696349	+0.6052218
244 1272.5	+1.3402868	+0.4232797	+0.1583258	244 1472.5	-0.8816347	+1.2467922	+0.5959565
244 1276.5	+1.3235220	+0.4752949	+0.1826516	244 1476.5	-0.9261476	+1.2226095	+0.5860506
244 1280.5	+1.3045601	+0.5265212	+0.2066742	244 1480.5	-0.9696699	+1.1971192	+0.5755180
244 1284.5	+1.2834500	+0.5768807	+0.2303566	244 1484.5	-1.0121602	+1.1703547	+0.5643728
244 1288.5	+1.2602439	+0.6262984	+0.2536629	244 1488.5	-1.0535779	+1.1423502	+0.5526296
244 1292.5	+1.2349974	+0.6747023	+0.2765586	244 1492.5	-1.0938840	+1.1131405	+0.5403033
244 1296.5	+1.2077689	+0.7220236	+0.2990106	244 1496.5	-1.1330404	+1.0827609	+0.5274092
244 1300.5	+1.1786199	+0.7681970	+0.3209873	244 1500.5	-1.1710105	+1.0512476	+0.5139629
244 1304.5	+1.1476138	+0.8131602	+0.3424582	244 1504.5	-1.2077586	+1.0186374	+0.4999803
244 1308.5	+1.1148167	+0.8568546	+0.3633948	244 1508.5	-1.2432503	+0.9849677	+0.4854777
244 1312.5	+1.0802965	+0.8992249	+0.3837699	244 1512.5	-1.2774525	+0.9502763	+0.4704715
244 1316.5	+1.0441227	+0.9402190	+0.4035576	244 1516.5	-1.3103329	+0.9146019	+0.4549785
244 1320.5	+1.0063667	+0.9797886	+0.4227339	244 1520.5	-1.3418609	+0.8779834	+0.4390160
244 1324.5	+0.9671009	+1.0178885	+0.4412761	244 1524.5	-1.3720065	+0.8404605	+0.4226012
244 1328.5	+0.9263989	+1.0544770	+0.4591631	244 1528.5	-1.4007411	+0.8020734	+0.4057518
244 1332.5	+0.8843351	+1.0895157	+0.4763753	244 1532.5	-1.4280374	+0.7628626	+0.3884858
244 1336.5	+0.8409847	+1.1229697	+0.4928946	244 1536.5	-1.4538688	+0.7228695	+0.3708214
244 1340.5	+0.7964235	+1.1548070	+0.5087043	244 1540.5	-1.4782104	+0.6821356	+0.3527770
244 1344.5	+0.7507273	+1.1849991	+0.5237892	244 1544.5	-1.5010380	+0.6407031	+0.3343713
244 1348.5	+0.7039725	+1.2135203	+0.5381356	244 1548.5	-1.5223286	+0.5986147	+0.3156232
244 1352.5	+0.6562352	+1.2403483	+0.5517311	244 1552.5	-1.5420605	+0.5559134	+0.2965520
244 1356.5	+0.6075915	+1.2654634	+0.5645647	244 1556.5	-1.5602131	+0.5126428	+0.2771771
244 1360.5	+0.5581173	+1.2888490	+0.5766268	244 1560.5	-1.5767669	+0.4688469	+0.2575181
244 1364.5	+0.5078880	+1.3104913	+0.5879088	244 1564.5	-1.5917035	+0.4245702	+0.2375951
244 1368.5	+0.4569786	+1.3303791	+0.5984038	244 1568.5	-1.6050058	+0.3798575	+0.2174281
244 1372.5	+0.4054634	+1.3485039	+0.6081058	244 1572.5	-1.6166577	+0.3347544	+0.1970376
244 1376.5	+0.3534162	+1.3648596	+0.6170100	244 1576.5	-1.6266444	+0.2893064	+0.1764442
244 1380.5	+0.3009099	+1.3794427	+0.6251129	244 1580.5	-1.6349523	+0.2435600	+0.1556686
244 1384.5	+0.2480165	+1.3922519	+0.6324119	244 1584.5	-1.6415690	+0.1975617	+0.1347321
244 1388.5	+0.1948072	+1.4032881	+0.6389056	244 1588.5	-1.6464833	+0.1513585	+0.1136558
244 1392.5	+0.1413521	+1.4125547	+0.6445935	244 1592.5	-1.6496853	+0.1049979	+0.0924614
244 1396.5	+0.0877204	+1.4200567	+0.6494763	244 1596.5	-1.6511662	+0.0585279	+0.0711706
244 1400.5	+0.0339800	+1.4258015	+0.6535554	244 1600.5	-1.6509187	+0.0119967	+0.0498052
244 1404.5	-0.0198021	+1.4297982	+0.6568331	244 1604.5	-1.6489366	-0.0345471	+0.0283876
244 1408.5	-0.0735601	+1.4320577	+0.6593128	244 1608.5	-1.6452153	-0.0810544	+0.0069400
244 1412.5	-0.1272297	+1.4325926	+0.6609985	244 1612.5	-1.6397512	-0.1274758	-0.0145149
244 1416.5	-0.1807474	+1.4314175	+0.6618952	244 1616.5	-1.6325425	-0.1737615	-0.0359543
244 1420.5	-0.2340512	+1.4285480	+0.6620085	244 1620.5	-1.6235883	-0.2198614	-0.0573553
244 1424.5	-0.2870804	+1.4240018	+0.6613447	244 1624.5	-1.6128897	-0.2657250	-0.0786946
244 1428.5	-0.3397753	+1.4177977	+0.6599109	244 1628.5	-1.6004488	-0.3113015	-0.0999489
244 1432.5	-0.3920778	+1.4099560	+0.6577149	244 1632.5	-1.5862696	-0.3565399	-0.1210946
244 1436.5	-0.4439309	+1.4004982	+0.6547650	244 1636.5	-1.5703574	-0.4013886	-0.1421080
244 1440.5	-0.4952789	+1.3894472	+0.6510703	244 1640.5	-1.5527191	-0.4457962	-0.1629652
244 1444.5	-0.5460677	+1.3768270	+0.6466403	244 1644.5	-1.5333634	-0.4897106	-0.1836421
244 1448.5	-0.5962440	+1.3626628	+0.6414850	244 1648.5	-1.5123006	-0.5330797	-0.2041145

Julian Day	x	y	z	Julian Day	x	y	z
244 1652.5	-1.4895425	-0.5758512	-0.2243581	244 1852.5	+0.9216827	-0.9377316	-0.4551644
244 1656.5	-1.4651030	-0.6179727	-0.2443484	244 1856.5	+0.9649734	-0.8984384	-0.4382895
244 1660.5	-1.4389976	-0.6593914	-0.2640608	244 1860.5	+1.0065610	-0.8575597	-0.4206412
244 1664.5	-1.4112436	-0.7000546	-0.2834707	244 1864.5	+1.0463653	-0.8151619	-0.4022477
244 1668.5	-1.3818604	-0.7399096	-0.3025533	244 1868.5	+1.0843096	-0.7713151	-0.3831392
244 1672.5	-1.3508692	-0.7789036	-0.3212838	244 1872.5	+1.1203207	-0.7260934	-0.3633477
244 1676.5	-1.3182932	-0.8169837	-0.3396374	244 1876.5	+1.1543296	-0.6795742	-0.3429069
244 1680.5	-1.2841577	-0.8540973	-0.3575892	244 1880.5	+1.1862715	-0.6318382	-0.3218522
244 1684.5	-1.2484901	-0.8901917	-0.3751143	244 1884.5	+1.2160862	-0.5829693	-0.3002203
244 1688.5	-1.2113199	-0.9252148	-0.3921879	244 1888.5	+1.2437181	-0.5330542	-0.2780496
244 1692.5	-1.1726787	-0.9591143	-0.4087853	244 1892.5	+1.2691167	-0.4821820	-0.2553797
244 1696.5	-1.1326005	-0.9918384	-0.4248816	244 1896.5	+1.2922366	-0.4304440	-0.2322512
244 1700.5	-1.0911216	-1.0233358	-0.4404525	244 1900.5	+1.3130374	-0.3779337	-0.2087060
244 1704.5	-1.0482804	-1.0535555	-0.4554735	244 1904.5	+1.3314844	-0.3247460	-0.1847867
244 1708.5	-1.0041180	-1.0824473	-0.4699203	244 1908.5	+1.3475483	-0.2709771	-0.1605367
244 1712.5	-0.9586777	-1.1099614	-0.4837691	244 1912.5	+1.3612052	-0.2167243	-0.1359999
244 1716.5	-0.9120052	-1.1360488	-0.4969961	244 1916.5	+1.3724370	-0.1620853	-0.1112209
244 1720.5	-0.8641489	-1.1606616	-0.5095779	244 1920.5	+1.3812310	-0.1071586	-0.0862444
244 1724.5	-0.8151597	-1.1837525	-0.5214915	244 1924.5	+1.3875803	-0.0520421	-0.0611152
244 1728.5	-0.7650907	-1.2052754	-0.5327144	244 1928.5	+1.3914831	+0.0031660	-0.0358782
244 1732.5	-0.7139980	-1.2251855	-0.5432244	244 1932.5	+1.3929436	+0.0583686	-0.0105783
244 1736.5	-0.6619401	-1.2434392	-0.5530000	244 1936.5	+1.3919709	+0.1134692	+0.0147401
244 1740.5	-0.6089779	-1.2599944	-0.5620202	244 1940.5	+1.3885795	+0.1683727	+0.0400329
244 1744.5	-0.5551753	-1.2748103	-0.5702647	244 1944.5	+1.3827891	+0.2229853	+0.0652566
244 1748.5	-0.5005984	-1.2878483	-0.5777137	244 1948.5	+1.3746242	+0.2772150	+0.0903682
244 1752.5	-0.4453160	-1.2990713	-0.5843486	244 1952.5	+1.3641140	+0.3309719	+0.1153257
244 1756.5	-0.3893994	-1.3084442	-0.5901513	244 1956.5	+1.3512923	+0.3841679	+0.1400877
244 1760.5	-0.3329226	-1.3159342	-0.5951047	244 1960.5	+1.3361973	+0.4367177	+0.1646142
244 1764.5	-0.2759617	-1.3215108	-0.5991928	244 1964.5	+1.3188712	+0.4885384	+0.1888658
244 1768.5	-0.2185954	-1.3251458	-0.6024006	244 1968.5	+1.2993602	+0.5395499	+0.2128046
244 1772.5	-0.1609047	-1.3268140	-0.6047142	244 1972.5	+1.2777140	+0.5896749	+0.2363938
244 1776.5	-0.1029728	-1.3264925	-0.6061211	244 1976.5	+1.2539859	+0.6388391	+0.2595978
244 1780.5	-0.0448849	-1.3241618	-0.6066098	244 1980.5	+1.2282321	+0.6869715	+0.2823825
244 1784.5	+0.0132716	-1.3198053	-0.6061705	244 1984.5	+1.2005120	+0.7340043	+0.3047153
244 1788.5	+0.0714075	-1.3134096	-0.6047946	244 1988.5	+1.1708873	+0.7798727	+0.3265647
244 1792.5	+0.1294320	-1.3049649	-0.6024752	244 1992.5	+1.1394223	+0.8245157	+0.3479009
244 1796.5	+0.1872525	-1.2944649	-0.5992069	244 1996.5	+1.1061836	+0.8678753	+0.3686956
244 1800.5	+0.2447753	-1.2819071	-0.5949860	244 2000.5	+1.0712395	+0.9098971	+0.3889221
244 1804.5	+0.3019053	-1.2672929	-0.5898106	244 2004.5	+1.0346600	+0.9505301	+0.4085549
244 1808.5	+0.3585466	-1.2506274	-0.5836805	244 2008.5	+0.9965168	+0.9897268	+0.4275703
244 1812.5	+0.4146025	-1.2319201	-0.5765975	244 2012.5	+0.9568825	+1.0274428	+0.4459461
244 1816.5	+0.4699757	-1.2111847	-0.5685653	244 2016.5	+0.9158310	+1.0636373	+0.4636615
244 1820.5	+0.5245687	-1.1884391	-0.5595894	244 2020.5	+0.8734370	+1.0982730	+0.4806974
244 1824.5	+0.5782842	-1.1637057	-0.5496775	244 2024.5	+0.8297758	+1.1313155	+0.4970360
244 1828.5	+0.6310252	-1.1370112	-0.5388393	244 2028.5	+0.7849231	+1.1627338	+0.5126610
244 1832.5	+0.6826950	-1.1083871	-0.5270865	244 2032.5	+0.7389550	+1.1925003	+0.5275577
244 1836.5	+0.7331982	-1.0778690	-0.5144331	244 2036.5	+0.6919477	+1.2205900	+0.5417126
244 1840.5	+0.7824403	-1.0454973	-0.5008951	244 2040.5	+0.6439774	+1.2469814	+0.5551138
244 1844.5	+0.8303287	-1.0113169	-0.4864905	244 2044.5	+0.5951200	+1.2716555	+0.5677505
244 1848.5	+0.8767724	-0.9753771	-0.4712395	244 2048.5	+0.5454514	+1.2945965	+0.5796134

Julian Day	<i>x</i>	<i>y</i>	<i>z</i>	Julian Day	<i>x</i>	<i>y</i>	<i>z</i>
244 2052.5	+0.4950468	+1.3157913	+0.5906946	244 2252.5	-1.5951420	+0.4132174	+0.2324688
244 2056.5	+0.4439811	+1.3352293	+0.6009871	244 2256.5	-1.6080264	+0.3683963	+0.2122406
244 2060.5	+0.3923284	+1.3529027	+0.6104853	244 2260.5	-1.6192564	+0.3231963	+0.1917941
244 2064.5	+0.3401623	+1.3688061	+0.6191848	244 2264.5	-1.6288175	+0.2776632	+0.1711499
244 2068.5	+0.2875553	+1.3829364	+0.6270823	244 2268.5	-1.6366965	+0.2318433	+0.1503290
244 2072.5	+0.2345794	+1.3952931	+0.6341755	244 2272.5	-1.6428811	+0.1857835	+0.1293524
244 2076.5	+0.1813053	+1.4058776	+0.6404633	244 2276.5	-1.6473605	+0.1395309	+0.1082416
244 2080.5	+0.1278031	+1.4146937	+0.6459454	244 2280.5	-1.6501251	+0.0931330	+0.0870181
244 2084.5	+0.0741414	+1.4217471	+0.6506227	244 2284.5	-1.6511666	+0.0466379	+0.0657038
244 2088.5	+0.0203880	+1.4270455	+0.6544969	244 2288.5	-1.6504778	+0.0000941	+0.0443206
244 2092.5	-0.0333904	+1.4305984	+0.6575706	244 2292.5	-1.6480529	-0.0464499	+0.0228909
244 2096.5	-0.0871285	+1.4324174	+0.6598472	244 2296.5	-1.6438877	-0.0929447	+0.0014370
244 2100.5	-0.1407620	+1.4325154	+0.6613311	244 2300.5	-1.6379790	-0.1393410	-0.0200184
244 2104.5	-0.1942280	+1.4309072	+0.6620273	244 2304.5	-1.6303251	-0.1855886	-0.0414525
244 2108.5	-0.2474647	+1.4276091	+0.6619416	244 2308.5	-1.6209259	-0.2316376	-0.0628421
244 2112.5	-0.3004117	+1.4226390	+0.6610807	244 2312.5	-1.6097826	-0.2774372	-0.0841641
244 2116.5	-0.3530098	+1.4160160	+0.6594517	244 2316.5	-1.5968978	-0.3229366	-0.1053950
244 2120.5	-0.4052011	+1.4077607	+0.6570625	244 2320.5	-1.5822757	-0.3680845	-0.1265112
244 2124.5	-0.4569289	+1.3978951	+0.6539218	244 2324.5	-1.5659223	-0.4128296	-0.1474889
244 2128.5	-0.5081381	+1.3864422	+0.6500385	244 2328.5	-1.5478448	-0.4571202	-0.1683042
244 2132.5	-0.5587745	+1.3734264	+0.6454224	244 2332.5	-1.5280524	-0.5009041	-0.1889330
244 2136.5	-0.6087854	+1.3588730	+0.6400838	244 2336.5	-1.5065557	-0.5441292	-0.2093510
244 2140.5	-0.6581195	+1.3428087	+0.6340334	244 2340.5	-1.4833672	-0.5867432	-0.2295338
244 2144.5	-0.7067266	+1.3252609	+0.6272826	244 2344.5	-1.4585011	-0.6286934	-0.2494570
244 2148.5	-0.7545579	+1.3062580	+0.6198431	244 2348.5	-1.4319734	-0.6699274	-0.2690960
244 2152.5	-0.8015659	+1.2858296	+0.6117271	244 2352.5	-1.4038020	-0.7103922	-0.2884260
244 2156.5	-0.8477041	+1.2640060	+0.6029474	244 2356.5	-1.3740068	-0.7500351	-0.3074223
244 2160.5	-0.8929276	+1.2408184	+0.5935170	244 2360.5	-1.3426094	-0.7888033	-0.3260601
244 2164.5	-0.9371927	+1.2162987	+0.5834495	244 2364.5	-1.3096337	-0.8266441	-0.3443145
244 2168.5	-0.9804567	+1.1904798	+0.5727587	244 2368.5	-1.2751054	-0.8635047	-0.3621607
244 2172.5	-1.0226783	+1.1633951	+0.5614590	244 2372.5	-1.2390525	-0.8993327	-0.3795738
244 2176.5	-1.0638176	+1.1350790	+0.5495650	244 2376.5	-1.2015052	-0.9340758	-0.3965289
244 2180.5	-1.1038355	+1.1055665	+0.5370916	244 2380.5	-1.1624956	-0.9676819	-0.4130014
244 2184.5	-1.1426945	+1.0748930	+0.5240544	244 2384.5	-1.1220583	-1.0000994	-0.4289666
244 2188.5	-1.1803580	+1.0430950	+0.5104688	244 2388.5	-1.0802302	-1.0312771	-0.4444000
244 2192.5	-1.2167908	+1.0102094	+0.4963510	244 2392.5	-1.0370504	-1.0611640	-0.4592772
244 2196.5	-1.2519587	+0.9762736	+0.4817172	244 2396.5	-0.9925605	-1.0897102	-0.4735741
244 2200.5	-1.2858289	+0.9413257	+0.4665840	244 2400.5	-0.9468045	-1.1168661	-0.4872667
244 2204.5	-1.3183694	+0.9054044	+0.4509683	244 2404.5	-0.8998288	-1.1425829	-0.5003316
244 2208.5	-1.3495497	+0.8685490	+0.4348873	244 2408.5	-0.8516824	-1.1668129	-0.5127453
244 2212.5	-1.3793403	+0.8307991	+0.4183585	244 2412.5	-0.8024167	-1.1895092	-0.5244851
244 2216.5	-1.4077128	+0.7921951	+0.4013996	244 2416.5	-0.7520858	-1.2106260	-0.5355284
244 2220.5	-1.4346401	+0.7527778	+0.3840286	244 2420.5	-0.7007462	-1.2301187	-0.5458534
244 2224.5	-1.4600961	+0.7125884	+0.3662637	244 2424.5	-0.6484571	-1.2479443	-0.5554384
244 2228.5	-1.4840559	+0.6716688	+0.3481235	244 2428.5	-0.5952802	-1.2640608	-0.5642629
244 2232.5	-1.5064957	+0.6300613	+0.3296267	244 2432.5	-0.5412798	-1.2784283	-0.5723066
244 2236.5	-1.5273928	+0.5878086	+0.3107924	244 2436.5	-0.4865228	-1.2910084	-0.5795501
244 2240.5	-1.5467258	+0.5449539	+0.2916399	244 2440.5	-0.4310787	-1.3017644	-0.5859748
244 2244.5	-1.5644743	+0.5015409	+0.2721885	244 2444.5	-0.3750193	-1.3106621	-0.5915629
244 2248.5	-1.5806190	+0.4576139	+0.2524582	244 2448.5	-0.3184192	-1.3176691	-0.5962977

Julian Day	x	y	z	Julian Day	x	y	z
244 2452.5	-0.2613551	-1.3227556	-0.6001634	244 2652.5	+1.3140419	+0.5013953	+0.1948999
244 2456.5	-0.2039063	-1.3258941	-0.6031452	244 2656.5	+1.2939836	+0.5521969	+0.2187571
244 2460.5	-0.1461544	-1.3270600	-0.6052297	244 2660.5	+1.2718030	+0.6020931	+0.2422556
244 2464.5	-0.0881830	-1.3262313	-0.6064045	244 2664.5	+1.2475542	+0.6510101	+0.2653601
244 2468.5	-0.0300778	-1.3233891	-0.6066587	244 2668.5	+1.2212943	+0.6988779	+0.2880369
244 2472.5	+0.0280733	-1.3185178	-0.6059826	244 2672.5	+1.1930832	+0.7456291	+0.3102536
244 2476.5	+0.0861808	-1.3116049	-0.6043683	244 2676.5	+1.1629835	+0.7912001	+0.3319791
244 2480.5	+0.1441534	-1.3026413	-0.6018090	244 2680.5	+1.1310600	+0.8355304	+0.3531842
244 2484.5	+0.2018983	-1.2916219	-0.5983000	244 2684.5	+1.0973798	+0.8785631	+0.3738406
244 2488.5	+0.2593214	-1.2785449	-0.5938379	244 2688.5	+1.0620117	+0.9202445	+0.3939221
244 2492.5	+0.3163276	-1.2634128	-0.5884211	244 2692.5	+1.0250262	+0.9605245	+0.4134037
244 2496.5	+0.3728207	-1.2462317	-0.5820502	244 2696.5	+0.9864952	+0.9993562	+0.4322620
244 2500.5	+0.4287038	-1.2270123	-0.5747272	244 2700.5	+0.9464918	+1.0366964	+0.4504751
244 2504.5	+0.4838798	-1.2057691	-0.5664563	244 2704.5	+0.9050901	+1.0725050	+0.4680227
244 2508.5	+0.5382512	-1.1825214	-0.5572437	244 2708.5	+0.8623650	+1.1067454	+0.4848860
244 2512.5	+0.5917207	-1.1572923	-0.5470974	244 2712.5	+0.8183918	+1.1393842	+0.5010475
244 2516.5	+0.6441914	-1.1301100	-0.5360277	244 2716.5	+0.7732466	+1.1703911	+0.5164915
244 2520.5	+0.6955670	-1.1010067	-0.5240469	244 2720.5	+0.7270054	+1.1997392	+0.5312034
244 2524.5	+0.7457524	-1.0700194	-0.5111693	244 2724.5	+0.6797445	+1.2274046	+0.5451703
244 2528.5	+0.7946536	-1.0371896	-0.4974115	244 2728.5	+0.6315401	+1.2533661	+0.5583804
244 2532.5	+0.8421782	-1.0025631	-0.4827921	244 2732.5	+0.5824681	+1.2776059	+0.5708234
244 2536.5	+0.8882359	-0.9661904	-0.4673318	244 2736.5	+0.5326041	+1.3001087	+0.5824903
244 2540.5	+0.9327386	-0.9281263	-0.4510534	244 2740.5	+0.4820235	+1.3208621	+0.5933735
244 2544.5	+0.9756008	-0.8884296	-0.4339816	244 2744.5	+0.4308009	+1.3398562	+0.6034663
244 2548.5	+1.0167398	-0.8471638	-0.4161433	244 2748.5	+0.3790103	+1.3570838	+0.6127635
244 2552.5	+1.0560764	-0.8043960	-0.3975671	244 2752.5	+0.3267251	+1.3725402	+0.6212610
244 2556.5	+1.0935345	-0.7601973	-0.3782838	244 2756.5	+0.2740176	+1.3862230	+0.6289556
244 2560.5	+1.1290421	-0.7146427	-0.3583258	244 2760.5	+0.2209595	+1.3981321	+0.6358455
244 2564.5	+1.1625311	-0.6678102	-0.3377270	244 2764.5	+0.1676214	+1.4082697	+0.6419297
244 2568.5	+1.1939380	-0.6197816	-0.3165234	244 2768.5	+0.1140729	+1.4166399	+0.6472083
244 2572.5	+1.2232036	-0.5706412	-0.2947519	244 2772.5	+0.0603825	+1.4232490	+0.6516824
244 2576.5	+1.2502735	-0.5204765	-0.2724514	244 2776.5	+0.0066178	+1.4281053	+0.6553538
244 2580.5	+1.2750985	-0.4693770	-0.2496616	244 2780.5	-0.0471550	+1.4312189	+0.6582255
244 2584.5	+1.2976344	-0.4174347	-0.2264235	244 2784.5	-0.1008709	+1.4326015	+0.6603011
244 2588.5	+1.3178422	-0.3647434	-0.2027791	244 2788.5	-0.1544658	+1.4322666	+0.6615852
244 2592.5	+1.3356884	-0.3113983	-0.1787712	244 2792.5	-0.2078773	+1.4302296	+0.6620830
244 2596.5	+1.3511451	-0.2574960	-0.1544435	244 2796.5	-0.2610438	+1.4265070	+0.6618004
244 2600.5	+1.3641899	-0.2031339	-0.1298400	244 2800.5	-0.3139052	+1.4211170	+0.6607444
244 2604.5	+1.3748058	-0.1484099	-0.1050053	244 2804.5	-0.3664027	+1.4140793	+0.6589222
244 2608.5	+1.3829816	-0.0934224	-0.0799841	244 2808.5	-0.4184787	+1.4054148	+0.6563420
244 2612.5	+1.3887117	-0.0382695	-0.0548214	244 2812.5	-0.4700769	+1.3951456	+0.6530124
244 2616.5	+1.3919959	+0.0169509	-0.0295621	244 2816.5	-0.5211425	+1.3832953	+0.6489427
244 2620.5	+1.3928393	+0.0721418	-0.0042509	244 2820.5	-0.5716217	+1.3698884	+0.6441428
244 2624.5	+1.3912526	+0.1272069	+0.0210678	244 2824.5	-0.6214621	+1.3549506	+0.6386230
244 2628.5	+1.3872516	+0.1820514	+0.0463500	244 2828.5	-0.6706128	+1.3385088	+0.6323943
244 2632.5	+1.3808571	+0.2365820	+0.0715523	244 2832.5	-0.7190238	+1.3205906	+0.6254681
244 2636.5	+1.3720947	+0.2907069	+0.0966319	244 2836.5	-0.7666467	+1.3012249	+0.6178563
244 2640.5	+1.3609950	+0.3443369	+0.1215470	244 2840.5	-0.8134343	+1.2804412	+0.6095713
244 2644.5	+1.3475928	+0.3973843	+0.1462565	244 2844.5	-0.8593406	+1.2582702	+0.6006258
244 2648.5	+1.3319274	+0.4497646	+0.1707205	244 2848.5	-0.9043210	+1.2347432	+0.5910330

Julian Day	x	y	z	Julian Day	x	y	z
244 2852.5	-0.9483319	+1.2098925	+0.5808066	244 3052.5	-1.3008112	-0.8360670	-0.3488768
244 2856.5	-0.9913311	+1.1837510	+0.5699605	244 3056.5	-1.2658828	-0.8726710	-0.3666158
244 2860.5	-1.0332777	+1.1563524	+0.5585092	244 3060.5	-1.2294369	-0.9082288	-0.3839153
244 2864.5	-1.0741319	+1.1277312	+0.5464674	244 3064.5	-1.1915042	-0.9426882	-0.4007504
244 2868.5	-1.1138551	+1.0979225	+0.5338502	244 3068.5	-1.1521176	-0.9759971	-0.4170965
244 2872.5	-1.1524100	+1.0669621	+0.5206730	244 3072.5	-1.1113122	-1.0081040	-0.4329288
244 2876.5	-1.1897604	+1.0348864	+0.5069515	244 3076.5	-1.0691254	-1.0389577	-0.4482230
244 2880.5	-1.2258714	+1.0017325	+0.4927018	244 3080.5	-1.0255971	-1.0685076	-0.4629547
244 2884.5	-1.2607090	+0.9675380	+0.4779403	244 3084.5	-0.9807695	-1.0967036	-0.4770998
244 2888.5	-1.2942407	+0.9323412	+0.4626838	244 3088.5	-0.9346872	-1.1234965	-0.4906344
244 2892.5	-1.3264349	+0.8961808	+0.4469490	244 3092.5	-0.8873973	-1.1488376	-0.5035351
244 2896.5	-1.3572614	+0.8590962	+0.4307533	244 3096.5	-0.8389494	-1.1726793	-0.5157786
244 2900.5	-1.3866908	+0.8211272	+0.4141142	244 3100.5	-0.7893958	-1.1949752	-0.5273421
244 2904.5	-1.4146953	+0.7823144	+0.3970495	244 3104.5	-0.7387910	-1.2156796	-0.5382033
244 2908.5	-1.4412478	+0.7426986	+0.3795773	244 3108.5	-0.6871923	-1.2347483	-0.5483404
244 2912.5	-1.4663225	+0.7023212	+0.3617158	244 3112.5	-0.6346597	-1.2521385	-0.5577321
244 2916.5	-1.4898950	+0.6612241	+0.3434838	244 3116.5	-0.5812555	-1.2678088	-0.5663577
244 2920.5	-1.5119415	+0.6194499	+0.3248999	244 3120.5	-0.5270447	-1.2817196	-0.5741972
244 2924.5	-1.5324399	+0.5770412	+0.3059833	244 3124.5	-0.4720950	-1.2938328	-0.5812315
244 2928.5	-1.5513688	+0.5340415	+0.2867533	244 3128.5	-0.4164765	-1.3041126	-0.5874421
244 2932.5	-1.5687082	+0.4904945	+0.2672294	244 3132.5	-0.3602619	-1.3125250	-0.5928115
244 2936.5	-1.5844391	+0.4464446	+0.2474316	244 3136.5	-0.3035261	-1.3190384	-0.5973232
244 2940.5	-1.5985439	+0.4019365	+0.2273798	244 3140.5	-0.2463469	-1.3236236	-0.6009617
244 2944.5	-1.6110058	+0.3570152	+0.2070942	244 3144.5	-0.1888040	-1.3262537	-0.6037126
244 2948.5	-1.6218096	+0.3117264	+0.1865955	244 3148.5	-0.1309796	-1.3269049	-0.6055626
244 2952.5	-1.6309408	+0.2661161	+0.1659044	244 3152.5	-0.0729579	-1.3255559	-0.6064999
244 2956.5	-1.6383867	+0.2202307	+0.1450418	244 3156.5	-0.0148253	-1.3221888	-0.6065137
244 2960.5	-1.6441352	+0.1741171	+0.1240289	244 3160.5	+0.0433298	-1.3167887	-0.6055949
244 2964.5	-1.6481758	+0.1278226	+0.1028871	244 3164.5	+0.1014175	-1.3093440	-0.6037358
244 2968.5	-1.6504993	+0.0813949	+0.0816381	244 3168.5	+0.1593461	-1.2998468	-0.6009303
244 2972.5	-1.6510975	+0.0348821	+0.0603038	244 3172.5	+0.2170222	-1.2882926	-0.5971739
244 2976.5	-1.6499637	-0.0116674	+0.0389062	244 3176.5	+0.2743516	-1.2746810	-0.5924637
244 2980.5	-1.6470925	-0.0582046	+0.0174676	244 3180.5	+0.3312388	-1.2590153	-0.5867988
244 2984.5	-1.6424798	-0.1046803	-0.0039894	244 3184.5	+0.3875872	-1.2413029	-0.5801799
244 2988.5	-1.6361228	-0.1510448	-0.0254423	244 3188.5	+0.4433001	-1.2215554	-0.5726099
244 2992.5	-1.6280202	-0.1972482	-0.0468679	244 3192.5	+0.4982800	-1.1997888	-0.5640934
244 2996.5	-1.6181722	-0.2432401	-0.0682434	244 3196.5	+0.5524296	-1.1760232	-0.5546370
244 3000.5	-1.6065803	-0.2889699	-0.0895453	244 3200.5	+0.6056515	-1.1502833	-0.5442495
244 3004.5	-1.5932477	-0.3343866	-0.1107501	244 3204.5	+0.6578491	-1.1225981	-0.5329416
244 3008.5	-1.5781788	-0.3794388	-0.1318343	244 3208.5	+0.7089263	-1.0930014	-0.5207263
244 3012.5	-1.5613800	-0.4240751	-0.1527740	244 3212.5	+0.7587882	-1.0615312	-0.5076183
244 3016.5	-1.5428590	-0.4682437	-0.1735451	244 3216.5	+0.8073412	-1.0282303	-0.4936349
244 3020.5	-1.5226253	-0.5118924	-0.1941236	244 3220.5	+0.8544936	-0.9931457	-0.4787951
244 3024.5	-1.5006900	-0.5549690	-0.2144851	244 3224.5	+0.9001556	-0.9563290	-0.4631204
244 3028.5	-1.4770659	-0.5974211	-0.2346052	244 3228.5	+0.9442397	-0.9178361	-0.4466339
244 3032.5	-1.4517679	-0.6391960	-0.2544594	244 3232.5	+0.9866613	-0.8777273	-0.4293611
244 3036.5	-1.4248123	-0.6802411	-0.2740231	244 3236.5	+1.0273384	-0.8360669	-0.4113292
244 3040.5	-1.3962175	-0.7205036	-0.2932715	244 3240.5	+1.0661927	-0.7929230	-0.3925675
244 3044.5	-1.3660039	-0.7599306	-0.3121798	244 3244.5	+1.1031493	-0.7483680	-0.3731072
244 3048.5	-1.3341937	-0.7984694	-0.3307232	244 3248.5	+1.1381372	-0.7024775	-0.3529810

Julian Day	x	y	z	Julian Day	x	y	z
244 3252.5	+1.1710895	-0.6553306	-0.3322235	244 3452.5	+0.1540415	+1.4105697	+0.6433461
244 3256.5	+1.2019438	-0.6070098	-0.3108709	244 3456.5	+0.1004466	+1.4184886	+0.6484185
244 3260.5	+1.2306423	-0.5576002	-0.2889607	244 3460.5	+0.0467271	+1.4246486	+0.6526868
244 3264.5	+1.2571319	-0.5071898	-0.2665319	244 3464.5	-0.0070499	+1.4290584	+0.6561533
244 3268.5	+1.2813648	-0.4558688	-0.2436245	244 3468.5	-0.0608184	+1.4317284	+0.6588210
244 3272.5	+1.3032981	-0.4037298	-0.2202800	244 3472.5	-0.1145135	+1.4326711	+0.6606939
244 3276.5	+1.3228943	-0.3508668	-0.1965404	244 3476.5	-0.1680718	+1.4319002	+0.6617765
244 3280.5	+1.3401215	-0.2973754	-0.1724489	244 3480.5	-0.2214308	+1.4294314	+0.6620743
244 3284.5	+1.3549532	-0.2433523	-0.1480490	244 3484.5	-0.2745294	+1.4252818	+0.6615937
244 3288.5	+1.3673684	-0.1888952	-0.1233851	244 3488.5	-0.3273078	+1.4194699	+0.6603414
244 3292.5	+1.3773517	-0.1341021	-0.0985018	244 3492.5	-0.3797076	+1.4120156	+0.6583251
244 3296.5	+1.3848933	-0.0790711	-0.0734437	244 3496.5	-0.4316714	+1.4029402	+0.6555530
244 3300.5	+1.3899891	-0.0239004	-0.0482559	244 3500.5	-0.4831433	+1.3922663	+0.6520338
244 3304.5	+1.3926402	+0.0313125	-0.0229832	244 3504.5	-0.5340687	+1.3800174	+0.6477771
244 3308.5	+1.3928533	+0.0864706	+0.0023298	244 3508.5	-0.5843942	+1.3662186	+0.6427929
244 3312.5	+1.3906404	+0.1414783	+0.0276388	244 3512.5	-0.6340678	+1.3508959	+0.6370916
244 3316.5	+1.3860185	+0.1962411	+0.0529000	244 3516.5	-0.6830387	+1.3340762	+0.6306844
244 3320.5	+1.3790098	+0.2506660	+0.0780702	244 3520.5	-0.7312574	+1.3157876	+0.6235827
244 3324.5	+1.3696411	+0.3046622	+0.1031068	244 3524.5	-0.7786758	+1.2960591	+0.6157986
244 3328.5	+1.3579442	+0.3581406	+0.1279683	244 3528.5	-0.8252471	+1.2749205	+0.6073446
244 3332.5	+1.3439548	+0.4110146	+0.1526138	244 3532.5	-0.8709254	+1.2524028	+0.5982335
244 3336.5	+1.3277135	+0.4632000	+0.1770036	244 3536.5	-0.9156665	+1.2285373	+0.5884786
244 3340.5	+1.3092643	+0.5146155	+0.2010992	244 3540.5	-0.9594272	+1.2033567	+0.5780937
244 3344.5	+1.2886552	+0.5651822	+0.2248632	244 3544.5	-1.0021657	+1.1768939	+0.5670930
244 3348.5	+1.2659378	+0.6148244	+0.2482593	244 3548.5	-1.0438412	+1.1491830	+0.5554907
244 3352.5	+1.2411669	+0.6634696	+0.2712529	244 3552.5	-1.0844143	+1.1202586	+0.5433019
244 3356.5	+1.2144003	+0.7110482	+0.2938104	244 3556.5	-1.1238467	+1.0901560	+0.5305417
244 3360.5	+1.1856985	+0.7574941	+0.3158999	244 3560.5	-1.1621015	+1.0589110	+0.5172255
244 3364.5	+1.1551248	+0.8027442	+0.3374907	244 3564.5	-1.1991428	+1.0265604	+0.5033692
244 3368.5	+1.1227445	+0.8467392	+0.3585539	244 3568.5	-1.2349358	+0.9931413	+0.4889890
244 3372.5	+1.0886250	+0.8894229	+0.3790617	244 3572.5	-1.2694471	+0.9586915	+0.4741014
244 3376.5	+1.0528356	+0.9307426	+0.3989883	244 3576.5	-1.3026444	+0.9232494	+0.4587230
244 3380.5	+1.0154472	+0.9706490	+0.4183090	244 3580.5	-1.3344964	+0.8868540	+0.4428709
244 3384.5	+0.9765319	+1.0090963	+0.4370009	244 3584.5	-1.3649731	+0.8495446	+0.4265624
244 3388.5	+0.9361631	+1.0460419	+0.4550425	244 3588.5	-1.3940457	+0.8113614	+0.4098152
244 3392.5	+0.8944150	+1.0814467	+0.4724138	244 3592.5	-1.4216863	+0.7723448	+0.3926470
244 3396.5	+0.8513626	+1.1152749	+0.4890964	244 3596.5	-1.4478684	+0.7325360	+0.3750760
244 3400.5	+0.8070815	+1.1474939	+0.5050733	244 3600.5	-1.4725665	+0.6919764	+0.3571207
244 3404.5	+0.7616477	+1.1780743	+0.5203290	244 3604.5	-1.4957562	+0.6507081	+0.3387995
244 3408.5	+0.7151372	+1.2069900	+0.5348494	244 3608.5	-1.5174144	+0.6087735	+0.3201315
244 3412.5	+0.6676263	+1.2342176	+0.5486217	244 3612.5	-1.5375190	+0.5662158	+0.3011357
244 3416.5	+0.6191912	+1.2597369	+0.5616348	244 3616.5	-1.5560491	+0.5230783	+0.2818316
244 3420.5	+0.5699076	+1.2835308	+0.5738785	244 3620.5	-1.5729850	+0.4794049	+0.2622388
244 3424.5	+0.5198512	+1.3055845	+0.5853442	244 3624.5	-1.5883079	+0.4352400	+0.2423771
244 3428.5	+0.4690971	+1.3258864	+0.5960245	244 3628.5	-1.6020005	+0.3906284	+0.2222666
244 3432.5	+0.4177198	+1.3444274	+0.6059132	244 3632.5	-1.6140464	+0.3456154	+0.2019277
244 3436.5	+0.3657931	+1.3612007	+0.6150053	244 3636.5	-1.6244307	+0.3002466	+0.1813810
244 3440.5	+0.3133901	+1.3762022	+0.6232968	244 3640.5	-1.6331392	+0.2545681	+0.1606471
244 3444.5	+0.2605831	+1.3894303	+0.6307851	244 3644.5	-1.6401594	+0.2086265	+0.1397472
244 3448.5	+0.2074434	+1.4008852	+0.6374684	244 3648.5	-1.6454797	+0.1624688	+0.1187025

Julian Day	<i>x</i>	<i>y</i>	<i>z</i>	Julian Day	<i>x</i>	<i>y</i>	<i>z</i>
244 3652,5	-1.6490900	+0.1161422	+0.0975344	244 3852,5	+0.1157298	-1.3070357	-0.6030601
244 3656,5	-1.6509811	+0.0696946	+0.0762648	244 3856,5	+0.1736095	-1.2970203	-0.6000149
244 3660,5	-1.6511454	+0.0231742	+0.0549153	244 3860,5	+0.2312136	-1.2849470	-0.5960177
244 3664,5	-1.6495765	-0.0233704	+0.0335083	244 3864,5	+0.2884473	-1.2708162	-0.5910660
244 3668,5	-1.6462692	-0.0698904	+0.0120659	244 3868,5	+0.3452149	-1.2546322	-0.5851595
244 3672,5	-1.6412199	-0.1163364	-0.0093892	244 3872,5	+0.4014198	-1.2364034	-0.5782992
244 3676,5	-1.6344261	-0.1626587	-0.0308343	244 3876,5	+0.4569649	-1.2161424	-0.5704885
244 3680,5	-1.6258870	-0.2088072	-0.0522464	244 3880,5	+0.5117526	-1.1938663	-0.5617324
244 3684,5	-1.6156029	-0.2547316	-0.0736025	244 3884,5	+0.5656855	-1.1695962	-0.5520382
244 3688,5	-1.6035758	-0.3003811	-0.0948791	244 3888,5	+0.6186664	-1.1433580	-0.5414150
244 3692,5	-1.5898092	-0.3457047	-0.1160528	244 3892,5	+0.6705985	-1.1151819	-0.5298741
244 3696,5	-1.5743081	-0.3906511	-0.1370998	244 3896,5	+0.7213862	-1.0851026	-0.5174290
244 3700,5	-1.5570791	-0.4351687	-0.1579964	244 3900,5	+0.7709346	-1.0531594	-0.5040950
244 3704,5	-1.5381303	-0.4792056	-0.1787184	244 3904,5	+0.8191506	-1.0193962	-0.4898899
244 3708,5	-1.5174717	-0.5227097	-0.1992417	244 3908,5	+0.8659427	-0.9838611	-0.4748333
244 3712,5	-1.4951147	-0.5656287	-0.2195420	244 3912,5	+0.9112217	-0.9466070	-0.4589470
244 3716,5	-1.4710728	-0.6079102	-0.2395948	244 3916,5	+0.9549006	-0.9076908	-0.4422549
244 3720,5	-1.4453609	-0.6495016	-0.2593756	244 3920,5	+0.9968955	-0.8671738	-0.4247829
244 3724,5	-1.4179961	-0.6903501	-0.2788598	244 3924,5	+1.0371251	-0.8251214	-0.4065587
244 3728,5	-1.3889972	-0.7304029	-0.2980226	244 3928,5	+1.0755119	-0.7816029	-0.3876121
244 3732,5	-1.3583849	-0.7696073	-0.3168391	244 3932,5	+1.1119819	-0.7366915	-0.3679748
244 3736,5	-1.3261820	-0.8079104	-0.3352846	244 3936,5	+1.1464651	-0.6904639	-0.3476800
244 3740,5	-1.2924133	-0.8452596	-0.3533343	244 3940,5	+1.1788955	-0.6430000	-0.3267627
244 3744,5	-1.2571056	-0.8816022	-0.3709631	244 3944,5	+1.2092119	-0.5943832	-0.3052595
244 3748,5	-1.2202880	-0.9168857	-0.3881463	244 3948,5	+1.2373577	-0.5446994	-0.2832083
244 3752,5	-1.1819916	-0.9510580	-0.4048591	244 3952,5	+1.2632809	-0.4940372	-0.2606484
244 3756,5	-1.1422498	-0.9840672	-0.4210768	244 3956,5	+1.2869351	-0.4424877	-0.2376203
244 3760,5	-1.1010983	-1.0158619	-0.4367747	244 3960,5	+1.3082786	-0.3901436	-0.2141656
244 3764,5	-1.0585751	-1.0463909	-0.4519285	244 3964,5	+1.3272755	-0.3370998	-0.1903268
244 3768,5	-1.0147205	-1.0756038	-0.4665138	244 3968,5	+1.3438950	-0.2834522	-0.1661470
244 3772,5	-0.9695774	-1.1034506	-0.4805067	244 3972,5	+1.3581122	-0.2292979	-0.1416703
244 3776,5	-0.9231910	-1.1298824	-0.4938833	244 3976,5	+1.3699075	-0.1747346	-0.1169408
244 3780,5	-0.8756089	-1.1548506	-0.5066203	244 3980,5	+1.3792669	-0.1198606	-0.0920035
244 3784,5	-0.8268813	-1.1783080	-0.5186944	244 3984,5	+1.3861821	-0.0647742	-0.0669030
244 3788,5	-0.7770611	-1.2002081	-0.5300830	244 3988,5	+1.3906504	-0.0095734	-0.0416845
244 3792,5	-0.7262035	-1.2205058	-0.5407639	244 3992,5	+1.3926745	+0.0456443	-0.0163927
244 3796,5	-0.6743664	-1.2391572	-0.5507153	244 3996,5	+1.3922623	+0.1007822	+0.0089279
244 3800,5	-0.6216103	-1.2561196	-0.5599161	244 4000,5	+1.3894272	+0.1557448	+0.0342329
244 3804,5	-0.5679983	-1.2713522	-0.5683459	244 4004,5	+1.3841877	+0.2104378	+0.0594787
244 3808,5	-0.5135959	-1.2848156	-0.5759847	244 4008,5	+1.3765672	+0.2647690	+0.0846223
244 3812,5	-0.4584715	-1.2964724	-0.5828136	244 4012,5	+1.3665938	+0.3186477	+0.1096212
244 3816,5	-0.4026958	-1.3062869	-0.5888144	244 4016,5	+1.3543005	+0.3719855	+0.1344341
244 3820,5	-0.3463420	-1.3142260	-0.5939698	244 4020,5	+1.3397243	+0.4246964	+0.1590204
244 3824,5	-0.2894858	-1.3202583	-0.5982634	244 4024,5	+1.3229067	+0.4766968	+0.1833407
244 3828,5	-0.2322054	-1.3243553	-0.6016800	244 4028,5	+1.3038930	+0.5279060	+0.2073566
244 3832,5	-0.1745812	-1.3264908	-0.6042055	244 4032,5	+1.2827321	+0.5782459	+0.2310312
244 3836,5	-0.1166960	-1.3266416	-0.6058269	244 4036,5	+1.2594765	+0.6276417	+0.2543285
244 3840,5	-0.0586344	-1.3247871	-0.6065327	244 4040,5	+1.2341819	+0.6760214	+0.2772142
244 3844,5	-0.0004835	-1.3209102	-0.6063124	244 4044,5	+1.2069070	+0.7233165	+0.2996550
244 3848,5	+0.0576681	-1.3149966	-0.6051573	244 4048,5	+1.1777130	+0.7694617	+0.3216195

Julian Day	x	y	z	Julian Day	x	y	z
244 4052.5	+1.1466637	+0.8143948	+0.3430774	244 4252.5	-1.2085985	+1.0179856	+0.4996845
244 4056.5	+1.1138252	+0.8580572	+0.3639999	244 4256.5	-1.2440601	+0.9842926	+0.4851695
244 4060.5	+1.0792655	+0.9003939	+0.3843601	244 4260.5	-1.2782318	+0.9495788	+0.4701514
244 4064.5	+1.0430542	+0.9413528	+0.4041322	244 4264.5	-1.3110814	+0.9138828	+0.4546469
244 4068.5	+1.0052627	+0.9808858	+0.4232920	244 4268.5	-1.3425780	+0.8772436	+0.4386732
244 4072.5	+0.9659634	+1.0189477	+0.4418171	244 4272.5	-1.3726920	+0.8397009	+0.4222477
244 4076.5	+0.9252300	+1.0554971	+0.4596863	244 4276.5	-1.4013947	+0.8012949	+0.4053880
244 4080.5	+0.8831371	+1.0904957	+0.4768802	244 4280.5	-1.4286587	+0.7620661	+0.3881121
244 4084.5	+0.8397597	+1.1239085	+0.4933805	244 4284.5	-1.4544576	+0.7220557	+0.3704382
244 4088.5	+0.7951736	+1.1557038	+0.5091708	244 4288.5	-1.4787664	+0.6813055	+0.3523847
244 4092.5	+0.7494548	+1.1858531	+0.5242360	244 4292.5	-1.5015608	+0.6398577	+0.3339704
244 4096.5	+0.7026796	+1.2143309	+0.5385622	244 4296.5	-1.5228181	+0.5977547	+0.3152141
244 4100.5	+0.6549240	+1.2411150	+0.5521372	244 4300.5	-1.5425165	+0.5550398	+0.2961351
244 4104.5	+0.6062642	+1.2661858	+0.5649501	244 4304.5	-1.5606353	+0.5117565	+0.2767529
244 4108.5	+0.5567760	+1.2895268	+0.5769911	244 4308.5	-1.5771551	+0.4679489	+0.2570871
244 4112.5	+0.5065348	+1.3111242	+0.5882520	244 4312.5	-1.5920576	+0.4236614	+0.2371577
244 4116.5	+0.4556156	+1.3309670	+0.5987257	244 4316.5	-1.6053255	+0.3789390	+0.2169848
244 4120.5	+0.4040927	+1.3490468	+0.6084063	244 4320.5	-1.6169430	+0.3338271	+0.1965888
244 4124.5	+0.3520397	+1.3653575	+0.6172890	244 4324.5	-1.6268952	+0.2883714	+0.1759904
244 4128.5	+0.2995296	+1.3798956	+0.6253704	244 4328.5	-1.6351686	+0.2426181	+0.1552104
244 4132.5	+0.2466344	+1.3926601	+0.6326479	244 4332.5	-1.6417507	+0.1966140	+0.1342699
244 4136.5	+0.1934250	+1.4036519	+0.6391202	244 4336.5	-1.6466304	+0.1504061	+0.1131902
244 4140.5	+0.1399717	+1.4128744	+0.6447869	244 4340.5	-1.6497978	+0.1040419	+0.0919928
244 4144.5	+0.0863434	+1.4203327	+0.6496484	244 4344.5	-1.6512442	+0.0575693	+0.0706995
244 4148.5	+0.0326082	+1.4260342	+0.6537064	244 4348.5	-1.6509622	+0.0110365	+0.0493323
244 4152.5	-0.0211672	+1.4299881	+0.6569633	244 4352.5	-1.6489458	-0.0355078	+0.0279132
244 4156.5	-0.0749170	+1.4322053	+0.6594223	244 4356.5	-1.6451903	-0.0820145	+0.0064648
244 4160.5	-0.1285768	+1.4326986	+0.6610876	244 4360.5	-1.6396922	-0.1284342	-0.0149904
244 4164.5	-0.1820834	+1.4314823	+0.6619640	244 4364.5	-1.6324496	-0.1747171	-0.0364296
244 4168.5	-0.2353747	+1.4285724	+0.6620572	244 4368.5	-1.6234619	-0.2208131	-0.0578298
244 4172.5	-0.2883900	+1.4239863	+0.6613737	244 4372.5	-1.6127300	-0.2666718	-0.0791678
244 4176.5	-0.3410699	+1.4177431	+0.6599205	244 4376.5	-1.6002563	-0.3122422	-0.1004202
244 4180.5	-0.3933562	+1.4098629	+0.6577053	244 4380.5	-1.5860445	-0.3574734	-0.1215635
244 4184.5	-0.4451919	+1.4003674	+0.6547366	244 4384.5	-1.5701001	-0.4023140	-0.1425740
244 4188.5	-0.4965216	+1.3892794	+0.6510233	244 4388.5	-1.5524302	-0.4467122	-0.1634276
244 4192.5	-0.5472910	+1.3766230	+0.6465751	244 4392.5	-1.5330432	-0.4906162	-0.1841005
244 4196.5	-0.5974469	+1.3624233	+0.6414020	244 4396.5	-1.5119497	-0.5339739	-0.2045683
244 4200.5	-0.6469379	+1.3467065	+0.6355147	244 4400.5	-1.4891615	-0.5767329	-0.2248068
244 4204.5	-0.6957134	+1.3295000	+0.6289244	244 4404.5	-1.4646925	-0.6188407	-0.2447914
244 4208.5	-0.7437243	+1.3108321	+0.6216428	244 4408.5	-1.4385583	-0.6660247	-0.2644976
244 4212.5	-0.7909228	+1.2907320	+0.6136819	244 4412.5	-1.4107762	-0.7008923	-0.2839008
244 4216.5	-0.8372624	+1.2692297	+0.6050544	244 4416.5	-1.3813657	-0.7407306	-0.3029762
244 4220.5	-0.8826977	+1.2463564	+0.5957733	244 4420.5	-1.3503480	-0.7797068	-0.3216989
244 4224.5	-0.9271846	+1.2221437	+0.5858520	244 4424.5	-1.3177463	-0.8177683	-0.3400442
244 4228.5	-0.9706805	+1.1966243	+0.5753044	244 4428.5	-1.2835860	-0.8548623	-0.3579873
244 4232.5	-1.0131436	+1.1698316	+0.5641445	244 4432.5	-1.2478945	-0.8909362	-0.3755031
244 4236.5	-1.0545336	+1.1417997	+0.5523870	244 4436.5	-1.2107014	-0.9259379	-0.3925670
244 4240.5	-1.0948115	+1.1125634	+0.5400469	244 4440.5	-1.1720384	-0.9598151	-0.4091542
244 4244.5	-1.1339392	+1.0821580	+0.5271393	244 4444.5	-1.1319394	-0.9925161	-0.4252399
244 4248.5	-1.1718801	+1.0506198	+0.5136799	244 4448.5	-1.0904408	-1.0239896	-0.4407997

Julian Day	x	y	z	Julian Day	x	y	z
244 4452.5	-1.0475810	-1.0541847	-0.4558092	244 4652.5	+1.3315321	-0.3240268	-0.1844384
244 4456.5	-1.0034012	-1.0830511	-0.4702442	244 4656.5	+1.3475554	-0.2702421	-0.1601795
244 4460.5	-0.9579447	-1.1105392	-0.4840808	244 4660.5	+1.3611709	-0.2159746	-0.1356344
244 4464.5	-0.9112572	-1.1366000	-0.4972951	244 4664.5	+1.3723604	-0.1613220	-0.1108475
244 4468.5	-0.8633871	-1.1611855	-0.5098640	244 4668.5	+1.3811113	-0.1063827	-0.0858636
244 4472.5	-0.8143853	-1.1842485	-0.5217644	244 4672.5	+1.3874166	-0.0512550	-0.0607276
244 4476.5	-0.7643051	-1.2057431	-0.5329738	244 4676.5	+1.3912749	+0.0039632	-0.0354845
244 4480.5	-0.7132025	-1.2256244	-0.5434700	244 4680.5	+1.3926900	+0.0591746	-0.0101790
244 4484.5	-0.6611359	-1.2438489	-0.5532315	244 4684.5	+1.3916713	+0.1142826	+0.0151443
244 4488.5	-0.6081665	-1.2603744	-0.5622374	244 4688.5	+1.3882335	+0.1691920	+0.0404413
244 4492.5	-0.5543579	-1.2751604	-0.5704673	244 4692.5	+1.3823961	+0.2238091	+0.0656684
244 4496.5	-0.4997763	-1.2881681	-0.5779016	244 4696.5	+1.3741837	+0.2780418	+0.0907828
244 4500.5	-0.4444907	-1.2993605	-0.5845216	244 4700.5	+1.3636258	+0.3318000	+0.1157423
244 4504.5	-0.3885723	-1.3087027	-0.5903092	244 4704.5	+1.3507561	+0.3849959	+0.1405056
244 4508.5	-0.3320950	-1.3161618	-0.5952474	244 4708.5	+1.3356129	+0.4375438	+0.1650325
244 4512.5	-0.2751350	-1.3217073	-0.5993202	244 4712.5	+1.3182386	+0.4893609	+0.1892837
244 4516.5	-0.2177709	-1.3253113	-0.6025126	244 4716.5	+1.2986795	+0.5403671	+0.2132213
244 4520.5	-0.1600838	-1.3269483	-0.6048108	244 4720.5	+1.2769853	+0.5904850	+0.2368084
244 4524.5	-0.1021569	-1.3265958	-0.6062022	244 4724.5	+1.2532094	+0.6396404	+0.2600095
244 4528.5	-0.0440753	-1.3242341	-0.6066754	244 4728.5	+1.2274083	+0.6877623	+0.2827904
244 4532.5	+0.0140736	-1.3198466	-0.6062205	244 4732.5	+1.1996412	+0.7347827	+0.3051185
244 4536.5	+0.0722006	-1.3134201	-0.6048291	244 4736.5	+1.1699702	+0.7806370	+0.3269623
244 4540.5	+0.1302148	-1.3049447	-0.6024942	244 4740.5	+1.1384597	+0.8252641	+0.3482922
244 4544.5	+0.1880239	-1.2944143	-0.5992105	244 4744.5	+1.1051763	+0.8686061	+0.3690797
244 4548.5	+0.2455339	-1.2818263	-0.5949743	244 4748.5	+1.0701883	+0.9106085	+0.3892980
244 4552.5	+0.3026500	-1.2671820	-0.5897836	244 4752.5	+1.0335661	+0.9512205	+0.4089219
244 4556.5	+0.3592761	-1.2504868	-0.5836384	244 4756.5	+0.9953812	+0.9903945	+0.4279276
244 4560.5	+0.4153156	-1.2317502	-0.5765403	244 4760.5	+0.9557066	+1.0280862	+0.4462928
244 4564.5	+0.4706712	-1.2109857	-0.5684931	244 4764.5	+0.9146160	+1.0642550	+0.4639969
244 4568.5	+0.5252457	-1.1882114	-0.5595024	244 4768.5	+0.8721844	+1.0988634	+0.4810208
244 4572.5	+0.5789415	-1.1634496	-0.5495759	244 4772.5	+0.8284870	+1.1318772	+0.4973466
244 4576.5	+0.6316616	-1.1367271	-0.5387232	244 4776.5	+0.7835997	+1.1632655	+0.5129581
244 4580.5	+0.6833095	-1.1080754	-0.5269561	244 4780.5	+0.7375986	+1.1930005	+0.5278407
244 4584.5	+0.7337897	-1.0775301	-0.5142885	244 4784.5	+0.6905601	+1.2210576	+0.5419808
244 4588.5	+0.7830079	-1.0451316	-0.5007365	244 4788.5	+0.6425603	+1.2474152	+0.5553666
244 4592.5	+0.8308712	-1.0109249	-0.4863181	244 4792.5	+0.5936753	+1.2720545	+0.5679874
244 4596.5	+0.8772888	-0.9749592	-0.4710535	244 4796.5	+0.5439810	+1.2949597	+0.5798339
244 4600.5	+0.9221721	-0.9372882	-0.4549650	244 4800.5	+0.4935526	+1.3161177	+0.5908981
244 4604.5	+0.9654346	-0.8979701	-0.4380769	244 4804.5	+0.4424650	+1.3355182	+0.6011732
244 4608.5	+1.0069931	-0.8570670	-0.4204157	244 4808.5	+0.3907925	+1.3531533	+0.6106536
244 4612.5	+1.0467674	-0.8146453	-0.4020095	244 4812.5	+0.3386085	+1.3690176	+0.6193349
244 4616.5	+1.0846805	-0.7707752	-0.3828886	244 4816.5	+0.2859859	+1.3831085	+0.6272139
244 4620.5	+1.1206596	-0.7255308	-0.3630849	244 4820.5	+0.2329963	+1.3954251	+0.6342884
244 4624.5	+1.1546354	-0.6789894	-0.3426322	244 4824.5	+0.1797107	+1.4059692	+0.6405571
244 4628.5	+1.1865434	-0.6312319	-0.3215659	244 4828.5	+0.1261989	+1.4147445	+0.6460199
244 4632.5	+1.2163231	-0.5823423	-0.2999227	244 4832.5	+0.0725299	+1.4217569	+0.6506778
244 4636.5	+1.2439191	-0.5324070	-0.2777411	244 4836.5	+0.0187712	+1.4270142	+0.6545324
244 4640.5	+1.2692808	-0.4815155	-0.2550606	244 4840.5	-0.0350104	+1.4305260	+0.6575864
244 4644.5	+1.2923627	-0.4297591	-0.2319220	244 4844.5	-0.0887497	+1.4323038	+0.6598434
244 4648.5	+1.3131248	-0.3772312	-0.2083670	244 4848.5	-0.1423824	+1.4323608	+0.6613075

Julian Day	<i>x</i>	<i>y</i>	<i>z</i>
244 4852,5	-0,1958456	+1,4307117	+0,6619840
244 4856,5	-0,2490775	+1,4273730	+0,6618787
244 4860,5	-0,3020178	+1,4223625	+0,6609982
244 4864,5	-0,3546072	+1,4156996	+0,6593498
244 4868,5	-0,4067880	+1,4074048	+0,6569413
244 4872,5	-0,4585035	+1,3975001	+0,6537814
244 4876,5	-0,5096985	+1,3860088	+0,6498792
244 4880,5	-0,5603190	+1,3729550	+0,6452445
244 4884,5	-0,6103124	+1,3583645	+0,6398875
244 4888,5	-0,6596273	+1,3422636	+0,6338190
244 4892,5	-0,7082136	+1,3246800	+0,6270504
244 4896,5	-0,7560225	+1,3056421	+0,6195934
244 4900,5	-0,8030065	+1,2851795	+0,6114603
244 4904,5	-0,8491195	+1,2633226	+0,6026637
244 4908,5	-0,8943163	+1,2401025	+0,5932170
244 4912,5	-0,9385532	+1,2155513	+0,5831334
244 4916,5	-0,9817878	+1,1897018	+0,5724271
244 4920,5	-1,0239788	+1,1625876	+0,5611122
244 4924,5	-1,0650862	+1,1342429	+0,5492034
244 4928,5	-1,1050712	+1,1047028	+0,5367158
244 4932,5	-1,1438961	+1,0740029	+0,5236648
244 4936,5	-1,1815245	+1,0421794	+0,5100659
244 4940,5	-1,2179211	+1,0092695	+0,4959353
244 4944,5	-1,2530520	+0,9753104	+0,4812891
244 4948,5	-1,2868842	+0,9403404	+0,4661441
244 4952,5	-1,3193860	+0,9043981	+0,4505172
244 4956,5	-1,3505267	+0,8675228	+0,4344254
244 4960,5	-1,3802770	+0,8297542	+0,4178864
244 4964,5	-1,4086086	+0,7911326	+0,4009177
244 4968,5	-1,4354942	+0,7516989	+0,3835375
244 4972,5	-1,4609080	+0,7114943	+0,3657640
244 4976,5	-1,4848250	+0,6705605	+0,3476157
244 4980,5	-1,5072215	+0,6289400	+0,3291113
244 4984,5	-1,5280749	+0,5866755	+0,3102700
244 4988,5	-1,5473637	+0,5438102	+0,2911109
244 4992,5	-1,5650675	+0,5003878	+0,2716536
244 4996,5	-1,5811674	+0,4564524	+0,2519179
244 5000,5	-1,5956451	+0,4120486	+0,2319236
244 5004,5	-1,6084840	+0,3672216	+0,2116911
244 5008,5	-1,6196682	+0,3220167	+0,1912408
244 5012,5	-1,6291833	+0,2764798	+0,1705934
244 5016,5	-1,6370161	+0,2306574	+0,1497698
244 5020,5	-1,6431544	+0,1845962	+0,1287912
244 5024,5	-1,6475875	+0,1383433	+0,1076788
244 5028,5	-1,6503057	+0,0919464	+0,0864544
244 5032,5	-1,6513007	+0,0454534	+0,0651396
244 5036,5	-1,6505656	-0,0010873	+0,0437566
244 5040,5	-1,6480944	-0,0476269	+0,0223275
244 5044,5	-1,6438830	-0,0941162	+0,0008748
244 5048,5	-1,6379282	-0,1405058	-0,0205788

Julian Day	<i>x</i>	<i>y</i>	<i>z</i>
244 5052,5	-1,6302285	-0,1867458	-0,0420105
244 5056,5	-1,6207836	-0,2327858	-0,0633972
244 5060,5	-1,6095948	-0,2785755	-0,0847158
244 5064,5	-1,5966649	-0,3240638	-0,1059427
244 5068,5	-1,5819980	-0,3691996	-0,1270544
244 5072,5	-1,5656002	-0,4139315	-0,1480271
244 5076,5	-1,5474787	-0,4582076	-0,1688368
244 5080,5	-1,5276427	-0,5019761	-0,1894594
244 5084,5	-1,5061029	-0,5451848	-0,2098708
244 5088,5	-1,4828719	-0,5877812	-0,2300464
244 5092,5	-1,4579638	-0,6297128	-0,2499619
244 5096,5	-1,4313947	-0,6709270	-0,2695926
244 5100,5	-1,4031826	-0,7113711	-0,2889138
244 5104,5	-1,3733473	-0,7509921	-0,3079007
244 5108,5	-1,3419106	-0,7897375	-0,3265287
244 5112,5	-1,3088964	-0,8275543	-0,3447726
244 5116,5	-1,2743304	-0,8643899	-0,3626079
244 5120,5	-1,2382408	-0,9001919	-0,3800094
244 5124,5	-1,2006576	-0,9349080	-0,3969526
244 5128,5	-1,1616132	-0,9684861	-0,4134126
244 5132,5	-1,1211421	-1,0008745	-0,4293647
244 5136,5	-1,0792812	-1,0320221	-0,4447845
244 5140,5	-1,0360698	-1,0618780	-0,4596477
244 5144,5	-0,9915495	-1,0903923	-0,4739300
244 5148,5	-0,9457643	-1,1175152	-0,4876076
244 5152,5	-0,8987608	-1,1431983	-0,5006570
244 5156,5	-0,8505878	-1,1673936	-0,5130548
244 5160,5	-0,8012970	-1,1900543	-0,5247781
244 5164,5	-0,7509423	-1,2111348	-0,5358046
244 5168,5	-0,6995805	-1,2305904	-0,5461122
244 5172,5	-0,6472707	-1,2483780	-0,5556796
244 5176,5	-0,5940746	-1,2644560	-0,5644860
244 5180,5	-0,5400568	-1,2787842	-0,5725112
244 5184,5	-0,4852840	-1,2913243	-0,5797359
244 5188,5	-0,4298259	-1,3020398	-0,5861415
244 5192,5	-0,3737542	-1,3108964	-0,5917102
244 5196,5	-0,3171437	-1,3178619	-0,5964253
244 5200,5	-0,2600711	-1,3229064	-0,6002710
244 5204,5	-0,2026157	-1,3260026	-0,6032326
244 5208,5	-0,1448590	-1,3271258	-0,6052967
244 5212,5	-0,0868849	-1,3262543	-0,6064509
244 5216,5	-0,0287791	-1,3233691	-0,6066844
244 5220,5	+0,0293706	-1,3184547	-0,6059877
244 5224,5	+0,0874747	-1,3114987	-0,6043525
244 5228,5	+0,1454417	-1,3024923	-0,6017724
244 5232,5	+0,2031789	-1,2914300	-0,5982426
244 5236,5	+0,2605923	-1,2783106	-0,5937597
244 5240,5	+0,3175866	-1,2631363	-0,5883224
244 5244,5	+0,3740656	-1,2459135	-0,5819310
244 5248,5	+0,4299326	-1,2266529	-0,5745878

Julian Day	x	y	z	Julian Day	x	y	z
244 5252,5	+0,4850904	-1,2053693	-0,5662970	244 5452,5	+0,9042443	+1,0730422	+0,4683066
244 5256,5	+0,5394415	-1,1820817	-0,5570646	244 5456,5	+0,8614866	+1,1072505	+0,4851553
244 5260,5	+0,5928887	-1,1568138	-0,5468990	244 5460,5	+0,8174819	+1,1398565	+0,5013019
244 5264,5	+0,6453350	-1,1295934	-0,5358103	244 5464,5	+0,7723063	+1,1708299	+0,5167306
244 5268,5	+0,6966844	-1,1004532	-0,5238110	244 5468,5	+0,7260359	+1,2001439	+0,5314268
244 5272,5	+0,7468416	-1,0694300	-0,5109154	244 5472,5	+0,6787470	+1,2277744	+0,5453776
244 5276,5	+0,7957127	-1,0365654	-0,4971401	244 5476,5	+0,6305157	+1,2537006	+0,5585714
244 5280,5	+0,8432055	-1,0019055	-0,4825037	244 5480,5	+0,5814181	+1,2779044	+0,5709977
244 5284,5	+0,8892297	-0,9655007	-0,4670270	244 5484,5	+0,5315299	+1,3003706	+0,5826477
244 5288,5	+0,9336972	-0,9274058	-0,4507328	244 5488,5	+0,4809262	+1,3210870	+0,5935137
244 5292,5	+0,9765226	-0,8876800	-0,4336459	244 5492,5	+0,4296818	+1,3400436	+0,6035890
244 5296,5	+1,0176233	-0,8463865	-0,4157932	244 5496,5	+0,3778708	+1,3572333	+0,6128685
244 5300,5	+1,0569201	-0,8035926	-0,3972035	244 5500,5	+0,3255665	+1,3726514	+0,6213480
244 5304,5	+1,0943372	-0,7593696	-0,3779073	244 5504,5	+0,2728413	+1,3862956	+0,6290245
244 5308,5	+1,1298025	-0,7137923	-0,3579372	244 5508,5	+0,2197668	+1,3981657	+0,6358961
244 5312,5	+1,1632482	-0,6669391	-0,3373272	244 5512,5	+0,1664138	+1,4082641	+0,6419618
244 5316,5	+1,1946106	-0,6188914	-0,3161131	244 5516,5	+0,1128518	+1,4165948	+0,6472217
244 5320,5	+1,2238308	-0,5697339	-0,2943321	244 5520,5	+0,0591495	+1,4231643	+0,6516770
244 5324,5	+1,2508545	-0,5195538	-0,2720228	244 5524,5	+0,0053742	+1,4279809	+0,6553296
244 5328,5	+1,2756326	-0,4684410	-0,2492252	244 5528,5	-0,0484077	+1,4310545	+0,6581823
244 5332,5	+1,2981208	-0,4164872	-0,2259802	244 5532,5	-0,1021312	+1,4323971	+0,6602389
244 5336,5	+1,3182805	-0,3637863	-0,2023298	244 5536,5	-0,1557322	+1,4320223	+0,6615038
244 5340,5	+1,3360781	-0,3104336	-0,1783169	244 5540,5	-0,2091481	+1,4299453	+0,6619825
244 5344,5	+1,3514860	-0,2565255	-0,1539849	244 5544,5	-0,2623176	+1,4261828	+0,6616808
244 5348,5	+1,3644816	-0,2021595	-0,1293781	244 5548,5	-0,3151805	+1,4207531	+0,6606057
244 5352,5	+1,3750482	-0,1474335	-0,1045410	244 5552,5	-0,3676779	+1,4136758	+0,6587645
244 5356,5	+1,3831748	-0,0924458	-0,0795183	244 5556,5	-0,4197523	+1,4049719	+0,6561652
244 5360,5	+1,3888556	-0,0372946	-0,0543550	244 5560,5	-0,4713474	+1,3946636	+0,6528167
244 5364,5	+1,3920905	+0,0179224	-0,0290959	244 5564,5	-0,5224083	+1,3827745	+0,6487282
244 5368,5	+1,3928850	+0,0731082	-0,0037857	244 5568,5	-0,5728812	+1,3693291	+0,6439097
244 5372,5	+1,3912495	+0,1281665	+0,0215311	244 5572,5	-0,6227140	+1,3543533	+0,6383714
244 5376,5	+1,3872001	+0,1830025	+0,0468106	244 5576,5	-0,6718554	+1,3378738	+0,6321244
244 5380,5	+1,3807575	+0,2375230	+0,0720095	244 5580,5	-0,7202557	+1,3199185	+0,6251801
244 5384,5	+1,3719476	+0,2916363	+0,0970849	244 5584,5	-0,7678664	+1,3005162	+0,6175504
244 5388,5	+1,3608007	+0,3452531	+0,1219950	244 5588,5	-0,8146403	+1,2796965	+0,6092476
244 5392,5	+1,3473520	+0,3982859	+0,1466988	244 5592,5	-0,8605315	+1,2574902	+0,6002847
244 5396,5	+1,3316406	+0,4506501	+0,1711564	244 5596,5	-0,9054952	+1,2339285	+0,5906748
244 5400,5	+1,3137099	+0,5022634	+0,1953287	244 5600,5	-0,9494881	+1,2090438	+0,5804316
244 5404,5	+1,2936069	+0,5530463	+0,2191782	244 5604,5	-0,9924679	+1,1828690	+0,5695690
244 5408,5	+1,2713824	+0,6029224	+0,2426683	244 5608,5	-1,0343938	+1,1554380	+0,5581016
244 5412,5	+1,2470905	+0,6518183	+0,2657638	244 5612,5	-1,0752258	+1,1267853	+0,5460440
244 5416,5	+1,2207882	+0,6996636	+0,2884310	244 5616,5	-1,1149256	+1,0969459	+0,5334114
244 5420,5	+1,1925356	+0,7463912	+0,3106375	244 5620,5	-1,1534558	+1,0659558	+0,5202192
244 5424,5	+1,1623953	+0,7919375	+0,3323523	244 5624,5	-1,1907802	+1,0338513	+0,5064832
244 5428,5	+1,1304321	+0,8362421	+0,3535461	244 5628,5	-1,2268638	+1,0006697	+0,4922194
244 5432,5	+1,0967131	+0,8792480	+0,3741907	244 5632,5	-1,2616730	+0,9664486	+0,4774443
244 5436,5	+1,0613071	+0,9209017	+0,3942599	244 5636,5	-1,2951751	+0,9312262	+0,4621746
244 5440,5	+1,0242848	+0,9611529	+0,4137287	244 5640,5	-1,3273387	+0,8950413	+0,4464273
244 5444,5	+0,9857180	+0,9999551	+0,4325737	244 5644,5	-1,3581333	+0,8579335	+0,4302195
244 5448,5	+0,9456798	+1,0372648	+0,4507731	244 5648,5	-1,3875300	+0,8199426	+0,4135689

Julian Day	x	y	z	Julian Day	x	y	z
244 5652,5	-1.4155007	+0.7811090	+0.3964933	244 5852,5	-0.7378280	-1.2162074	-0.5384855
244 5656,5	-1.4420185	+0.7414737	+0.3790107	244 5856,5	-0.6862128	-1.2352359	-0.5486036
244 5660,5	-1.4670577	+0.7010781	+0.3611395	244 5860,5	-0.6336649	-1.2525853	-0.5579761
244 5664,5	-1.4905937	+0.6599642	+0.3428983	244 5864,5	-0.5802468	-1.2682144	-0.5665821
244 5668,5	-1.5126030	+0.6181743	+0.3243059	244 5868,5	-0.5260234	-1.2820835	-0.5744019
244 5672,5	-1.5330635	+0.5757515	+0.3053814	244 5872,5	-0.4710624	-1.2941547	-0.5814161
244 5676,5	-1.5519538	+0.5327391	+0.2861442	244 5876,5	-0.4154339	-1.3043922	-0.5876066
244 5680,5	-1.5692539	+0.4891808	+0.2666137	244 5880,5	-0.3592106	-1.3127620	-0.5929556
244 5684,5	-1.5849451	+0.4451210	+0.2468100	244 5884,5	-0.3024677	-1.3192325	-0.5974468
244 5688,5	-1.5990095	+0.4006043	+0.2267529	244 5888,5	-0.2452826	-1.3237745	-0.6010646
244 5692,5	-1.61114307	+0.3556760	+0.2064628	244 5892,5	-0.1877353	-1.3263613	-0.6037946
244 5696,5	-1.6221932	+0.3103816	+0.1859602	244 5896,5	-0.1299079	-1.3269690	-0.6056236
244 5700,5	-1.6312830	+0.2647672	+0.1652659	244 5900,5	-0.0718847	-1.3255765	-0.6065398
244 5704,5	-1.6386869	+0.2188792	+0.1444007	244 5904,5	-0.0137522	-1.3221658	-0.6065325
244 5708,5	-1.6443934	+0.1727645	+0.1233861	244 5908,5	+0.0444014	-1.3167219	-0.6055925
244 5712,5	-1.6483918	+0.1264704	+0.1022432	244 5912,5	+0.1024860	-1.3092336	-0.6037121
244 5716,5	-1.6506729	+0.0800445	+0.0809939	244 5916,5	+0.1604098	-1.2996927	-0.6008854
244 5720,5	-1.6512287	+0.0335350	+0.0596599	244 5920,5	+0.2180797	-1.2880950	-0.5971076
244 5724,5	-1.6500525	-0.0130096	+0.0382634	244 5924,5	+0.2754011	-1.2744400	-0.5923762
244 5728,5	-1.6471389	-0.0595405	+0.0168265	244 5928,5	+0.3322785	-1.2587312	-0.5866901
244 5732,5	-1.6424840	-0.1060084	-0.0046281	244 5932,5	+0.3886157	-1.2409759	-0.5800502
244 5736,5	-1.6360849	-0.1523636	-0.0260777	244 5936,5	+0.4443155	-1.2211859	-0.5724592
244 5740,5	-1.6279406	-0.1985564	-0.0474995	244 5940,5	+0.4992806	-1.1993771	-0.5639218
244 5744,5	-1.6180511	-0.2445362	-0.0688704	244 5944,5	+0.5534137	-1.1755699	-0.5544448
244 5748,5	-1.6064182	-0.2902524	-0.0901670	244 5948,5	+0.6066174	-1.1497888	-0.5440368
244 5752,5	-1.5930448	-0.3356542	-0.1113659	244 5952,5	+0.6587949	-1.1220631	-0.5327087
244 5756,5	-1.5779357	-0.3806902	-0.1324435	244 5956,5	+0.7098503	-1.0924264	-0.5204734
244 5760,5	-1.5610972	-0.4253089	-0.1533759	244 5960,5	+0.7596886	-1.0609171	-0.5073458
244 5764,5	-1.5425370	-0.4694585	-0.1741391	244 5964,5	+0.8082163	-1.0275778	-0.4933431
244 5768,5	-1.5222648	-0.5130869	-0.1947090	244 5968,5	+0.8553417	-0.9924557	-0.4784845
244 5772,5	-1.5002916	-0.5561421	-0.2150613	244 5972,5	+0.9009748	-0.9556026	-0.4627913
244 5776,5	-1.4766304	-0.5985714	-0.2351716	244 5976,5	+0.9450284	-0.9170743	-0.4462868
244 5780,5	-1.4512959	-0.6403225	-0.2550154	244 5980,5	+0.9874177	-0.8769312	-0.4289964
244 5784,5	-1.4243047	-0.6813425	-0.2745681	244 5984,5	+1.0280610	-0.8352376	-0.4109476
244 5788,5	-1.3956751	-0.7215787	-0.2938049	244 5988,5	+1.0668799	-0.7920619	-0.3921695
244 5792,5	-1.3654276	-0.7609784	-0.3127011	244 5992,5	+1.1037994	-0.7474764	-0.3726934
244 5796,5	-1.3335843	-0.7994887	-0.3312318	244 5996,5	+1.1387487	-0.7015568	-0.3525520
244 5800,5	-1.3001697	-0.8370569	-0.3493722	244 6000,5	+1.1716610	-0.6543823	-0.3317801
244 5804,5	-1.2652100	-0.8736304	-0.3670975	244 6004,5	+1.2024739	-0.6060355	-0.3104138
244 5808,5	-1.2287340	-0.9091568	-0.3843827	244 6008,5	+1.2311296	-0.5566016	-0.2884906
244 5812,5	-1.1907721	-0.9435837	-0.4012031	244 6012,5	+1.2575752	-0.5061685	-0.2660496
244 5816,5	-1.1513573	-0.9768594	-0.4175339	244 6016,5	+1.2817628	-0.4548268	-0.2431310
244 5820,5	-1.1105248	-1.0089321	-0.4333507	244 6020,5	+1.3036498	-0.4026688	-0.2197759
244 5824,5	-1.0683121	-1.0397508	-0.4486287	244 6024,5	+1.3231988	-0.3497886	-0.1960268
244 5828,5	-1.0247589	-1.0692649	-0.4633439	244 6028,5	+1.3403779	-0.2962820	-0.1719265
244 5832,5	-0.9799075	-1.0974243	-0.4774721	244 6032,5	+1.3551606	-0.2422458	-0.1475189
244 5836,5	-0.9338026	-1.1241799	-0.4909894	244 6036,5	+1.3675262	-0.1877774	-0.1228482
244 5840,5	-0.8864913	-1.1494830	-0.5038724	244 6040,5	+1.3774593	-0.1329751	-0.0979590
244 5844,5	-0.8380233	-1.1732862	-0.5160978	244 6044,5	+1.3849503	-0.0779371	-0.0728961
244 5848,5	-0.7884506	-1.1955428	-0.5276430	244 6048,5	+1.3899952	-0.0227613	-0.0477044

Julian Day	x	y	z	Julian Day	x	y	z
244 6052.5	+1.3925952	+0.0324544	-0.0224289	244 6252.5	-0.5352758	+1.3796096	+0.6476172
244 6056.5	+1.3927571	+0.0876134	+0.0028860	244 6256.5	-0.5855875	+1.3657703	+0.6426132
244 6060.5	+1.3904930	+0.1426199	+0.0281958	244 6260.5	-0.6352461	+1.3504075	+0.6368922
244 6064.5	+1.3858201	+0.1973793	+0.0534568	244 6264.5	-0.6842009	+1.3335481	+0.6304655
244 6068.5	+1.3787606	+0.2517988	+0.0786259	244 6268.5	-0.7324023	+1.3152203	+0.6233445
244 6072.5	+1.3693415	+0.3057876	+0.1036603	244 6272.5	-0.7798023	+1.2954530	+0.6155413
244 6076.5	+1.3575947	+0.3592565	+0.1285186	244 6276.5	-0.8263538	+1.2742761	+0.6070683
244 6080.5	+1.3435561	+0.4121192	+0.1531600	244 6280.5	-0.8720114	+1.2517206	+0.5979385
244 6084.5	+1.3272661	+0.4642913	+0.1775448	244 6284.5	-0.9167306	+1.2278179	+0.5881652
244 6088.5	+1.3087691	+0.5156915	+0.2016344	244 6288.5	-0.9604684	+1.2026006	+0.5777621
244 6092.5	+1.2881132	+0.5662412	+0.2253915	244 6292.5	-1.0031828	+1.1761018	+0.5667434
244 6096.5	+1.2653499	+0.6158646	+0.2487798	244 6296.5	-1.0448331	+1.1483554	+0.5551236
244 6100.5	+1.2405341	+0.6644892	+0.2717648	244 6300.5	-1.0853801	+1.1193962	+0.5429174
244 6104.5	+1.2137238	+0.7120456	+0.2943128	244 6304.5	-1.1247853	+1.0892595	+0.5301401
244 6108.5	+1.1849796	+0.7584676	+0.3163920	244 6308.5	-1.1630118	+1.0579812	+0.5168072
244 6112.5	+1.1543648	+0.8036924	+0.3379717	244 6312.5	-1.2000238	+1.0255979	+0.5029345
244 6116.5	+1.1219446	+0.8476606	+0.3590230	244 6316.5	-1.2357866	+0.9921470	+0.4885383
244 6120.5	+1.0877868	+0.8903160	+0.3795184	244 6320.5	-1.2702666	+0.9576661	+0.4736349
244 6124.5	+1.0519606	+0.9316061	+0.3994317	244 6324.5	-1.3034316	+0.9221938	+0.4582412
244 6128.5	+1.0145368	+0.9714817	+0.4187385	244 6328.5	-1.3352504	+0.8857690	+0.4423742
244 6132.5	+0.9755877	+1.0098968	+0.4374159	244 6332.5	-1.3656929	+0.8484313	+0.4260513
244 6136.5	+0.9351866	+1.0468092	+0.4554424	244 6336.5	-1.3947304	+0.8102206	+0.4092900
244 6140.5	+0.8934079	+1.0821798	+0.4727980	244 6340.5	-1.4223351	+0.7711776	+0.3921082
244 6144.5	+0.8503266	+1.1159727	+0.4894644	244 6344.5	-1.4484803	+0.7313433	+0.3745241
244 6148.5	+0.8060183	+1.1481555	+0.5054247	244 6348.5	-1.4731407	+0.6907593	+0.3565560
244 6152.5	+0.7605589	+1.1786989	+0.5206632	244 6352.5	-1.4962920	+0.6494676	+0.3382227
244 6156.5	+0.7114024	+1.2075767	+0.5351660	244 6356.5	-1.5179110	+0.6075109	+0.3195431
244 6160.5	+0.6664916	+1.2347659	+0.5489204	244 6360.5	-1.5379755	+0.5649322	+0.3005362
244 6164.5	+0.6180360	+1.2602461	+0.5619152	244 6364.5	-1.5564649	+0.5217748	+0.2812215
244 6168.5	+0.5687337	+1.2840002	+0.5741403	244 6368.5	-1.5733594	+0.4780828	+0.2616187
244 6172.5	+0.5186603	+1.3060138	+0.5855871	244 6372.5	-1.5886402	+0.4339005	+0.2417476
244 6176.5	+0.4678908	+1.3262750	+0.5962482	244 6376.5	-1.6022902	+0.3892729	+0.2216283
244 6180.5	+0.4164997	+1.3447749	+0.6061175	244 6380.5	-1.6142929	+0.3442451	+0.2012812
244 6184.5	+0.3645609	+1.3615068	+0.6151899	244 6384.5	-1.6246334	+0.2988628	+0.1807269
244 6188.5	+0.3121475	+1.3764666	+0.6234616	244 6388.5	-1.6332978	+0.2531723	+0.1599861
244 6192.5	+0.2593316	+1.3896527	+0.6309299	244 6392.5	-1.6402734	+0.2072201	+0.1390799
244 6196.5	+0.2061847	+1.4010655	+0.6375931	244 6396.5	-1.6455487	+0.1610531	+0.1180296
244 6200.5	+0.1527770	+1.4107077	+0.6434506	244 6400.5	-1.6491136	+0.1147187	+0.0968566
244 6204.5	+0.0991780	+1.4185842	+0.6485026	244 6404.5	-1.6509591	+0.0682649	+0.0755827
244 6208.5	+0.0454559	+1.4247018	+0.6527506	244 6408.5	-1.6510776	+0.0217397	+0.0542297
244 6212.5	-0.0083223	+1.4290690	+0.6561967	244 6412.5	-1.6494627	-0.0248083	+0.0328198
244 6216.5	-0.0620905	+1.4316966	+0.6588439	244 6416.5	-1.6461094	-0.0713300	+0.0113754
244 6220.5	-0.1157839	+1.4325968	+0.6606962	244 6420.5	-1.6410139	-0.1177762	-0.0100810
244 6224.5	-0.1693390	+1.4317836	+0.6617583	244 6424.5	-1.6341740	-0.1640970	-0.0315267
244 6228.5	-0.2226934	+1.4292726	+0.6620357	244 6428.5	-1.6255888	-0.2102425	-0.0529387
244 6232.5	-0.2757861	+1.4250809	+0.6615347	244 6432.5	-1.6152588	-0.2561622	-0.0742937
244 6236.5	-0.3285572	+1.4192271	+0.6602620	244 6436.5	-1.6031861	-0.3018055	-0.0955686
244 6240.5	-0.3809483	+1.4117311	+0.6582254	244 6440.5	-1.5893741	-0.3471212	-0.1167398
244 6244.5	-0.4329022	+1.4026143	+0.6554331	244 6444.5	-1.5738280	-0.3920581	-0.1377835
244 6248.5	-0.4843629	+1.3918992	+0.6518939	244 6448.5	-1.5565543	-0.4365645	-0.1586759

Julian Day	x	y	z	Julian Day	x	y	z
244 6452,5	-1.5375615	-0.4805885	-0.1793930	244 6652,5	+0.8200652	-1.0189816	-0.4897144
244 6456,5	-1.5168593	-0.5240782	-0.1999107	244 6656,5	+0.8668213	-0.9834162	-0.4746420
244 6460,5	-1.4944594	-0.5669812	-0.2202045	244 6660,5	+0.9120632	-0.9461329	-0.4587406
244 6464,5	-1.4703753	-0.6092451	-0.2402501	244 6664,5	+0.9557042	-0.9071888	-0.4420338
244 6468,5	-1.4446221	-0.6508172	-0.2600229	244 6668,5	+0.9976603	-0.8666453	-0.4245477
244 6472,5	-1.4172168	-0.6916449	-0.2794982	244 6672,5	+1.0378504	-0.8245676	-0.4063101
244 6476,5	-1.3881782	-0.7316754	-0.2986514	244 6676,5	+1.0761970	-0.7810251	-0.3873507
244 6480,5	-1.3575274	-0.7708559	-0.3174577	244 6680,5	+1.1126261	-0.7360910	-0.3677011
244 6484,5	-1.3252870	-0.8091336	-0.3358922	244 6684,5	+1.1470678	-0.6898420	-0.3473947
244 6488,5	-1.2914819	-0.8464559	-0.3539300	244 6688,5	+1.1794563	-0.6423581	-0.3264664
244 6492,5	-1.2561391	-0.8827702	-0.3715463	244 6692,5	+1.2097303	-0.5937225	-0.3049528
244 6496,5	-1.2192876	-0.9180241	-0.3887163	244 6696,5	+1.2378332	-0.5440213	-0.2828918
244 6500,5	-1.1809587	-0.9521654	-0.4054152	244 6700,5	+1.2637133	-0.4933430	-0.2603228
244 6504,5	-1.1411858	-0.9851423	-0.4216184	244 6704,5	+1.2873239	-0.4417788	-0.2372863
244 6508,5	-1.1000047	-1.0169033	-0.4373011	244 6708,5	+1.3086237	-0.3894214	-0.2138238
244 6512,5	-1.0574534	-1.0473975	-0.4524391	244 6712,5	+1.3275766	-0.3363655	-0.1899777
244 6516,5	-1.0135724	-1.0765744	-0.4670080	244 6716,5	+1.3441520	-0.2827072	-0.1657914
244 6520,5	-0.9684045	-1.1043842	-0.4809839	244 6720,5	+1.3583249	-0.2285435	-0.1413088
244 6524,5	-0.9219949	-1.1307778	-0.4943431	244 6724,5	+1.3700759	-0.1739722	-0.1165741
244 6528,5	-0.8743915	-1.1557070	-0.5070619	244 6728,5	+1.3793910	-0.1190916	-0.0916322
244 6532,5	-0.8256445	-1.1791244	-0.5191175	244 6732,5	+1.3862619	-0.0640000	-0.0665278
244 6536,5	-0.7758067	-1.2009837	-0.5304872	244 6736,5	+1.3906860	-0.0087953	-0.0413061
244 6540,5	-0.7249335	-1.2212398	-0.5411487	244 6740,5	+1.3926660	+0.0464249	-0.0160117
244 6544,5	-0.6730827	-1.2398488	-0.5510803	244 6744,5	+1.3922100	+0.1015639	+0.0093107
244 6548,5	-0.6203149	-1.2567684	-0.5602610	244 6748,5	+1.3893313	+0.1565262	+0.0346170
244 6552,5	-0.5666932	-1.2719576	-0.5686703	244 6752,5	+1.3840484	+0.2112177	+0.0598633
244 6556,5	-0.5122833	-1.2853772	-0.5762885	244 6756,5	+1.3763849	+0.2655458	+0.0850067
244 6560,5	-0.4571533	-1.2969897	-0.5830964	244 6760,5	+1.3663689	+0.3194201	+0.1100048
244 6564,5	-0.4013741	-1.3067598	-0.5890761	244 6764,5	+1.3540334	+0.3727522	+0.1348161
244 6568,5	-0.3450189	-1.3146542	-0.5942102	244 6768,5	+1.3394157	+0.4254560	+0.1594002
244 6572,5	-0.2881634	-1.3206418	-0.5984824	244 6772,5	+1.3225570	+0.4774480	+0.1837177
244 6576,5	-0.2308858	-1.3246944	-0.6018776	244 6776,5	+1.3035028	+0.5286474	+0.2077301
244 6580,5	-0.1732664	-1.3267849	-0.6043816	244 6780,5	+1.2823022	+0.5789762	+0.2314005
244 6584,5	-0.1153880	-1.3268911	-0.6059816	244 6784,5	+1.2590075	+0.6283597	+0.2546930
244 6588,5	-0.0573354	-1.3249924	-0.6066659	244 6788,5	+1.2336747	+0.6767258	+0.2775732
244 6592,5	+0.0008046	-1.3210715	-0.6064243	244 6792,5	+1.2063622	+0.7240061	+0.3000080
244 6596,5	+0.0589433	-1.3151143	-0.6052480	244 6796,5	+1.1771316	+0.7701352	+0.3219658
244 6600,5	+0.1169902	-1.3071103	-0.6031296	244 6800,5	+1.1460466	+0.8150510	+0.3434163
244 6604,5	+0.1748531	-1.2970523	-0.6000636	244 6804,5	+1.1131733	+0.8586951	+0.3643310
244 6608,5	+0.2324386	-1.2849370	-0.5960457	244 6808,5	+1.0785798	+0.9010122	+0.3846827
244 6612,5	+0.2896519	-1.2707649	-0.5910737	244 6812,5	+1.0423358	+0.9419505	+0.4044458
244 6616,5	+0.3463973	-1.2545403	-0.5851471	244 6816,5	+1.0045126	+0.9814618	+0.4235961
244 6620,5	+0.4025783	-1.2362717	-0.5782670	244 6820,5	+0.9651828	+1.0195010	+0.4421111
244 6624,5	+0.4580979	-1.2159719	-0.5704369	244 6824,5	+0.9244201	+1.0560268	+0.4599697
244 6628,5	+0.5128585	-1.1936577	-0.5616618	244 6828,5	+0.8822989	+1.0910007	+0.4771524
244 6632,5	+0.5667628	-1.1693507	-0.5519489	244 6832,5	+0.8388946	+1.1243880	+0.4936412
244 6636,5	+0.6197137	-1.1430764	-0.5413075	244 6836,5	+0.7942828	+1.1561570	+0.5094196
244 6640,5	+0.6716145	-1.1148654	-0.5297489	244 6840,5	+0.7485396	+1.1862792	+0.5244723
244 6644,5	+0.7223696	-1.0847522	-0.5172865	244 6844,5	+0.7017413	+1.2147292	+0.5387857
244 6648,5	+0.7718841	-1.0527764	-0.5039357	244 6848,5	+0.6539639	+1.2414846	+0.5523475

Julian Day	x	y	z	Julian Day	x	y	z
244 6852,5	+0.6052837	+1.2665262	+0.5651468	244 7052,5	-1.5609746	+0.5107431	+0.2762766
244 6856,5	+0.5557765	+1.2898375	+0.5771740	244 7056,5	-1.5774558	+0.4669234	+0.2566039
244 6860,5	+0.5055177	+1.3114046	+0.5884207	244 7060,5	-1.5923190	+0.4226247	+0.2366680
244 6864,5	+0.4545823	+1.3312166	+0.5988800	244 7064,5	-1.6055473	+0.3778921	+0.2164891
244 6868,5	+0.4030447	+1.3492651	+0.6085458	244 7068,5	-1.6171245	+0.3327708	+0.1960875
244 6872,5	+0.3509784	+1.3655442	+0.6174136	244 7072,5	-1.6270359	+0.2873066	+0.1754840
244 6876,5	+0.2984563	+1.3800504	+0.6254799	244 7076,5	-1.6352681	+0.2415460	+0.1546993
244 6880,5	+0.2455505	+1.3927826	+0.6327421	244 7080,5	-1.6418085	+0.1955354	+0.1337545
244 6884,5	+0.1923321	+1.4037420	+0.6391989	244 7084,5	-1.6466460	+0.1493220	+0.1126710
244 6888,5	+0.1388711	+1.4129317	+0.6448500	244 7088,5	-1.6497709	+0.1029532	+0.0914703
244 6892,5	+0.0852367	+1.4203572	+0.6496958	244 7092,5	-1.6511744	+0.0564771	+0.0701742
244 6896,5	+0.0314966	+1.4260258	+0.6537380	244 7096,5	-1.6508492	+0.0099418	+0.0488046
244 6900,5	-0.0222821	+1.4299467	+0.6569790	244 7100,5	-1.6487893	-0.0366039	+0.0273838
244 6904,5	-0.0760338	+1.4321308	+0.6594221	244 7104,5	-1.6449899	-0.0831110	+0.0059340
244 6908,5	-0.1296942	+1.4325911	+0.6616714	244 7108,5	-1.6394478	-0.1295301	-0.0155220
244 6912,5	-0.1831998	+1.4313419	+0.6619318	244 7112,5	-1.6321609	-0.1758113	-0.0369616
244 6916,5	-0.2364889	+1.4283992	+0.6620091	244 7116,5	-1.6231288	-0.2219045	-0.0583616
244 6920,5	-0.2895006	+1.4237805	+0.6613097	244 7120,5	-1.6123523	-0.2677592	-0.0796988
244 6924,5	-0.3421755	+1.4175047	+0.6598406	244 7124,5	-1.5998338	-0.3133246	-0.1009500
244 6928,5	-0.3944554	+1.4095923	+0.6576096	244 7128,5	-1.5855772	-0.3585495	-0.1220914
244 6932,5	-0.4462835	+1.4000647	+0.6546252	244 7132,5	-1.5695880	-0.4033827	-0.1430995
244 6936,5	-0.4976042	+1.3889450	+0.6508963	244 7136,5	-1.5518732	-0.4477723	-0.1639502
244 6940,5	-0.5483632	+1.3762571	+0.6464325	244 7140,5	-1.5324415	-0.4916665	-0.1846194
244 6944,5	-0.5985076	+1.3620263	+0.6412440	244 7144,5	-1.5113033	-0.5350131	-0.2050831
244 6948,5	-0.6479857	+1.3462788	+0.6353415	244 7148,5	-1.4884707	-0.5777598	-0.2253168
244 6952,5	-0.6967470	+1.3290421	+0.6287361	244 7152,5	-1.4639574	-0.6198541	-0.2452961
244 6956,5	-0.7447426	+1.3103443	+0.6214396	244 7156,5	-1.4377791	-0.6612433	-0.2649963
244 6960,5	-0.7919245	+1.2902148	+0.6134641	244 7160,5	-1.4099532	-0.7018748	-0.2843929
244 6964,5	-0.8382463	+1.2686837	+0.6048222	244 7164,5	-1.3804993	-0.7416957	-0.3034610
244 6968,5	-0.8836626	+1.2457821	+0.5955268	244 7168,5	-1.3494385	-0.7806533	-0.3221759
244 6972,5	-0.9281295	+1.2215416	+0.5855915	244 7172,5	-1.3167943	-0.8186948	-0.3405127
244 6976,5	-0.9716041	+1.1959951	+0.5750301	244 7176,5	-1.2825921	-0.8557674	-0.3584465
244 6980,5	-1.0140449	+1.1691758	+0.5638567	244 7180,5	-1.2468592	-0.8918187	-0.3759526
244 6984,5	-1.0554116	+1.1411178	+0.5520860	244 7184,5	-1.2096254	-0.9267963	-0.3930060
244 6988,5	-1.0956650	+1.1118561	+0.5397329	244 7188,5	-1.1709224	-0.9606482	-0.4095820
244 6992,5	-1.1347673	+1.0814261	+0.5268126	244 7192,5	-1.1307842	-0.9933225	-0.4256560
244 6996,5	-1.1726817	+1.0498639	+0.5133408	244 7196,5	-1.0892473	-1.0247680	-0.4412033
244 7000,5	-1.2093727	+1.0172063	+0.4993335	244 7200,5	-1.0463503	-1.0549338	-0.4561997
244 7004,5	-1.2448059	+0.9834907	+0.4848067	244 7204,5	-1.0021342	-1.0837695	-0.4706209
244 7008,5	-1.2789483	+0.9487550	+0.4697771	244 7208,5	-0.9566425	-1.1112255	-0.4844430
244 7012,5	-1.3117676	+0.9130378	+0.4542616	244 7212,5	-0.9099211	-1.1372529	-0.4976423
244 7016,5	-1.3432332	+0.8763781	+0.4382771	244 7216,5	-0.8620184	-1.1618038	-0.5101955
244 7020,5	-1.3733152	+0.8388157	+0.4218412	244 7220,5	-0.8129853	-1.1848309	-0.5220795
244 7024,5	-1.4019851	+0.8003907	+0.4049714	244 7224,5	-0.7628753	-1.2062884	-0.5332719
244 7028,5	-1.4292154	+0.7611438	+0.3876859	244 7228,5	-0.7117444	-1.2261313	-0.5437505
244 7032,5	-1.4549799	+0.7211162	+0.3700026	244 7232,5	-0.6596512	-1.2443162	-0.5534938
244 7036,5	-1.4792535	+0.6803495	+0.3519402	244 7236,5	-0.6066570	-1.2608011	-0.5624809
244 7040,5	-1.5020120	+0.6388860	+0.3335173	244 7240,5	-0.5528253	-1.2755454	-0.5706915
244 7044,5	-1.5232327	+0.5967682	+0.3147529	244 7244,5	-0.4982227	-1.2885104	-0.5781060
244 7048,5	-1.5428937	+0.5540394	+0.2956662	244 7248,5	-0.4429180	-1.2996592	-0.5847056

Julian Day	<i>x</i>	<i>y</i>	<i>z</i>	Julian Day	<i>x</i>	<i>y</i>	<i>z</i>
244 7252,5	-0,3869827	-1,3089568	-0,5904724	244 7452,5	+1,3507533	+0,3858635	+0,1409247
244 7256,5	-0,3304905	-1,3163707	-0,5953894	244 7456,5	+1,3355698	+0,4383915	+0,1654432
244 7260,5	-0,2735180	-1,3218703	-0,5994406	244 7460,5	+1,3181564	+0,4901877	+0,1896856
244 7264,5	-0,2161437	-1,3254277	-0,6026111	244 7464,5	+1,2985594	+0,5411721	+0,2136140
244 7268,5	-0,1584488	-1,3270176	-0,6048870	244 7468,5	+1,2768286	+0,5912675	+0,2371913
244 7272,5	-0,1005165	-1,3266175	-0,6062558	244 7472,5	+1,2530174	+0,6403998	+0,2603824
244 7276,5	-0,0424321	-1,3242080	-0,6067063	244 7476,5	+1,2271822	+0,6884978	+0,2831529
244 7280,5	+0,0157170	-1,3197725	-0,6062286	244 7480,5	+1,1993824	+0,7354940	+0,3054703
244 7284,5	+0,0738417	-1,3132979	-0,6048143	244 7484,5	+1,1696798	+0,7813236	+0,3273032
244 7288,5	+0,1318510	-1,3047746	-0,6024564	244 7488,5	+1,1381390	+0,8259255	+0,3486217
244 7292,5	+0,1896525	-1,2941964	-0,5991497	244 7492,5	+1,1048263	+0,8692419	+0,3693978
244 7296,5	+0,2471523	-1,2815609	-0,5948906	244 7496,5	+1,0698105	+0,9112186	+0,3896044
244 7300,5	+0,3042555	-1,2668696	-0,5896771	244 7500,5	+1,0331614	+0,9518046	+0,4092164
244 7304,5	+0,3608660	-1,2501279	-0,5835094	244 7504,5	+0,9949509	+0,9909522	+0,4282101
244 7308,5	+0,4168873	-1,2313455	-0,5763890	244 7508,5	+0,9552517	+1,0286176	+0,4465632
244 7312,5	+0,4722221	-1,2105361	-0,5683199	244 7512,5	+0,9141378	+1,0647598	+0,4642551
244 7316,5	+0,5267731	-1,1877179	-0,5593076	244 7516,5	+0,8716838	+1,0993414	+0,4812665
244 7320,5	+0,5804430	-1,1629133	-0,5493599	244 7520,5	+0,8279651	+1,1323284	+0,4975798
244 7324,5	+0,6331346	-1,1361493	-0,5384866	244 7524,5	+0,7830576	+1,1636899	+0,5131788
244 7328,5	+0,6847517	-1,1074574	-0,5266996	244 7528,5	+0,7370374	+1,1933981	+0,5280488
244 7332,5	+0,7351987	-1,0768735	-0,5140127	244 7532,5	+0,6899808	+1,2214283	+0,5421762
244 7336,5	+0,7843815	-1,0444380	-0,5004420	244 7536,5	+0,6419639	+1,2477590	+0,5555493
244 7340,5	+0,8322074	-1,0101960	-0,4860057	244 7540,5	+0,5930628	+1,2723714	+0,5681573
244 7344,5	+0,8785855	-0,9741969	-0,4707241	244 7544,5	+0,5433533	+1,2952498	+0,5799910
244 7348,5	+0,9234273	-0,9364944	-0,4546194	244 7548,5	+0,4929108	+1,3163810	+0,5910424
244 7352,5	+0,9666468	-0,8971468	-0,4377160	244 7552,5	+0,4418101	+1,3357548	+0,6013046
244 7356,5	+1,0081606	-0,8562164	-0,4200404	244 7556,5	+0,3901255	+1,3533632	+0,6107722
244 7360,5	+1,0478886	-0,8137695	-0,4016209	244 7560,5	+0,3379303	+1,3692011	+0,6194407
244 7364,5	+1,0857544	-0,7698764	-0,3824876	244 7564,5	+0,2852975	+1,3832654	+0,6273069
244 7368,5	+1,1216848	-0,7246113	-0,3626727	244 7568,5	+0,2322986	+1,3955558	+0,6343685
244 7372,5	+1,1556111	-0,6780515	-0,3422097	244 7572,5	+0,1790048	+1,4060737	+0,6406244
244 7376,5	+1,1874687	-0,6302779	-0,3211342	244 7576,5	+0,1254857	+1,4148231	+0,6460746
244 7380,5	+1,2171973	-0,5813745	-0,2994830	244 7580,5	+0,0718103	+1,4218096	+0,6507198
244 7384,5	+1,2447418	-0,5314279	-0,2772944	244 7584,5	+0,0180462	+1,4270413	+0,6545618
244 7388,5	+1,2700517	-0,4805272	-0,2546080	244 7588,5	-0,0357399	+1,4305276	+0,6576032
244 7392,5	+1,2930816	-0,4287639	-0,2314645	244 7592,5	-0,0894827	+1,4322802	+0,6598477
244 7396,5	+1,3137916	-0,3762314	-0,2079057	244 7596,5	-0,1431181	+1,4323121	+0,6612994
244 7400,5	+1,3321469	-0,3230245	-0,1839743	244 7600,5	-0,1965829	+1,4306383	+0,6619636
244 7404,5	+1,3481184	-0,2692396	-0,1597137	244 7604,5	-0,2498156	+1,4272750	+0,6618461
244 7408,5	+1,3616825	-0,2149738	-0,1351678	244 7608,5	-0,3027556	+1,4222403	+0,6609534
244 7412,5	+1,3728210	-0,1603250	-0,1103812	244 7612,5	-0,3553440	+1,4155534	+0,6592930
244 7416,5	+1,3815216	-0,1053915	-0,0853984	244 7616,5	-0,4075227	+1,4072349	+0,6568726
244 7420,5	+1,3877772	-0,0502713	-0,0602645	244 7620,5	-0,4592353	+1,3973069	+0,6537010
244 7424,5	+1,3915866	+0,0049376	-0,0350243	244 7624,5	-0,5104265	+1,3857925	+0,6497872
244 7428,5	+1,3929537	+0,0601379	-0,0097226	244 7628,5	-0,5610423	+1,3727161	+0,6451410
244 7432,5	+1,3918879	+0,1152334	+0,0155962	244 7632,5	-0,6110301	+1,3581033	+0,6397726
244 7436,5	+1,3884040	+0,1701288	+0,0408879	244 7636,5	-0,6603384	+1,3419805	+0,6336930
244 7440,5	+1,3825216	+0,2247304	+0,0661091	244 7640,5	-0,7089173	+1,3243753	+0,6269133
244 7444,5	+1,3742653	+0,2789464	+0,0912169	244 7644,5	-0,7567180	+1,3053164	+0,6194455
244 7448,5	+1,3636646	+0,3326867	+0,1161692	244 7648,5	-0,8036929	+1,2848332	+0,6113018

Julian Day	<i>x</i>	<i>y</i>	<i>z</i>	Julian Day	<i>x</i>	<i>y</i>	<i>z</i>
244 7652,5	-0,8497958	+1,2629562	+0,6024950	244 7852,5	-1,3729365	-0,7514790	-0,3081642
244 7656,5	-0,8949818	+1,2397165	+0,5930380	244 7856,5	-1,3414761	-0,7902078	-0,3267846
244 7660,5	-0,9392071	+1,2151462	+0,5829446	244 7860,5	-1,3084383	-0,8280075	-0,3450207
244 7664,5	-0,9824293	+1,1892781	+0,5722285	244 7864,5	-1,2738489	-0,8648253	-0,3628476
244 7668,5	-1,0246071	+1,1621459	+0,5609042	244 7868,5	-1,2377360	-0,9006087	-0,3802406
244 7672,5	-1,0657006	+1,1337839	+0,5489863	244 7872,5	-1,2001297	-0,9353055	-0,3971748
244 7676,5	-1,1056708	+1,1042269	+0,5364899	244 7876,5	-1,1610624	-0,9688636	-0,4136254
244 7680,5	-1,1444803	+1,0735108	+0,5234302	244 7880,5	-1,1205686	-1,0012314	-0,4295679
244 7684,5	-1,1820925	+1,0416718	+0,5098230	244 7884,5	-1,0786853	-1,0323575	-0,4449776
244 7688,5	-1,2184724	+1,0087469	+0,4956844	244 7888,5	-1,0354517	-1,0621914	-0,4598304
244 7692,5	-1,2535858	+0,9747736	+0,4810306	244 7892,5	-0,9909095	-1,0906827	-0,4741019
244 7696,5	-1,2873999	+0,9397900	+0,4658782	244 7896,5	-0,9451026	-1,1177821	-0,4877684
244 7700,5	-1,3198830	+0,9038348	+0,4502442	244 7900,5	-0,8980777	-1,1434408	-0,5008061
244 7704,5	-1,3510044	+0,8669473	+0,4341457	244 7904,5	-0,8498836	-1,1676110	-0,5131920
244 7708,5	-1,3807349	+0,8291673	+0,4176003	244 7908,5	-0,8005721	-1,1902458	-0,5249030
244 7712,5	-1,4090461	+0,7905350	+0,4006256	244 7912,5	-0,7501971	-1,2112995	-0,5359168
244 7716,5	-1,4359109	+0,7510912	+0,3832397	244 7916,5	-0,6988154	-1,2307276	-0,5462113
244 7720,5	-1,4613033	+0,7108773	+0,3654609	244 7920,5	-0,6464861	-1,2484868	-0,5557651
244 7724,5	-1,4851985	+0,6699351	+0,3473076	244 7924,5	-0,5932712	-1,2645355	-0,5645575
244 7728,5	-1,5075727	+0,6283069	+0,3287986	244 7928,5	-0,5392350	-1,2788336	-0,5725683
244 7732,5	-1,5284034	+0,5860354	+0,3099531	244 7932,5	-0,4844445	-1,2913427	-0,5797782
244 7736,5	-1,5476692	+0,5431639	+0,2907902	244 7936,5	-0,4289692	-1,3020264	-0,5861685
244 7740,5	-1,5653497	+0,4997361	+0,2713294	244 7940,5	-0,3728813	-1,3108502	-0,5917215
244 7744,5	-1,5814259	+0,4557961	+0,2515906	244 7944,5	-0,3162553	-1,3177821	-0,5964204
244 7748,5	-1,5958797	+0,4113886	+0,2315937	244 7948,5	-0,2591681	-1,3227921	-0,6002495
244 7752,5	-1,6086943	+0,3665586	+0,2113589	244 7952,5	-0,2016992	-1,3258529	-0,6031941
244 7756,5	-1,6198541	+0,3213515	+0,1909067	244 7956,5	-0,1439300	-1,3269399	-0,6052407
244 7760,5	-1,6293446	+0,2758134	+0,1702579	244 7960,5	-0,0859444	-1,3260313	-0,6063771
244 7764,5	-1,6371526	+0,2299904	+0,1494332	244 7964,5	-0,0278284	-1,3231082	-0,6065923
244 7768,5	-1,6432660	+0,1839294	+0,1284538	244 7968,5	+0,0303302	-1,3181551	-0,6058768
244 7772,5	-1,6476741	+0,1376776	+0,1073412	244 7972,5	+0,0884417	-1,3111597	-0,6042225
244 7776,5	-1,6503671	+0,0912825	+0,0861168	244 7976,5	+0,1464148	-1,3021130	-0,6016230
244 7780,5	-1,6513370	+0,0447921	+0,0648026	244 7980,5	+0,2041565	-1,2910099	-0,5980733
244 7784,5	-1,6505765	-0,0017452	+0,0434204	244 7984,5	+0,2615726	-1,2778490	-0,5935703
244 7788,5	-1,6480801	-0,0482806	+0,0219926	244 7988,5	+0,3185679	-1,2626327	-0,5881126
244 7792,5	-1,6438434	-0,0947650	+0,0005416	244 7992,5	+0,3750462	-1,2453674	-0,5817004
244 7796,5	-1,6378633	-0,1411489	-0,0209099	244 7996,5	+0,4309104	-1,2260639	-0,5743363
244 7800,5	-1,6301384	-0,1873824	-0,0423392	244 8000,5	+0,4860635	-1,2047370	-0,5660243
244 7804,5	-1,6206683	-0,2334152	-0,0637232	244 8004,5	+0,5404077	-1,1814059	-0,5567706
244 7808,5	-1,6094544	-0,2791969	-0,0850385	244 8008,5	+0,5938459	-1,1560943	-0,5465836
244 7812,5	-1,5964994	-0,3246766	-0,1062619	244 8012,5	+0,6462811	-1,1288302	-0,5354735
244 7816,5	-1,5818076	-0,3698030	-0,1273697	244 8016,5	+0,6976170	-1,0996463	-0,5234526
244 7820,5	-1,5653848	-0,4145248	-0,1483380	244 8020,5	+0,7477583	-1,0685797	-0,5105356
244 7824,5	-1,5472385	-0,4587901	-0,1691431	244 8024,5	+0,7966112	-1,0356721	-0,4967390
244 7828,5	-1,5273778	-0,5025470	-0,1897607	244 8028,5	+0,8440834	-1,0009696	-0,4820815
244 7832,5	-1,5058134	-0,5457434	-0,2101666	244 8032,5	+0,8900845	-0,9645227	-0,4665839
244 7836,5	-1,4825578	-0,5883269	-0,2303365	244 8036,5	+0,9345265	-0,9263866	-0,4502690
244 7840,5	-1,4576253	-0,6302448	-0,2502459	244 8040,5	+0,9773240	-0,8866203	-0,4331619
244 7844,5	-1,4310320	-0,6714447	-0,2698701	244 8044,5	+1,0183945	-0,8452875	-0,4152894
244 7848,5	-1,4027958	-0,7118736	-0,2891845	244 8048,5	+1,0576587	-0,8024555	-0,3966804

Julian Day	x	y	z	Julian Day	x	y	z
244 8052,5	+1.0950408	-0.7581957	-0.3773655	244 8252,5	+0.2716550	+1.3867274	+0.6292643
244 8056,5	+1.1304689	-0.7125830	-0.3573773	244 8256,5	+0.2185792	+1.3985559	+0.6361157
244 8060,5	+1.1638751	-0.6656960	-0.3367500	244 8260,5	+0.1652263	+1.4086128	+0.6421614
244 8064,5	+1.1951961	-0.6176164	-0.3155193	244 8264,5	+0.1116659	+1.4169027	+0.6474014
244 8068,5	+1.2243728	-0.5684288	-0.2937227	244 8268,5	+0.0579665	+1.4234318	+0.6518369
244 8072,5	+1.2513512	-0.5182207	-0.2713987	244 8272,5	+0.0041955	+1.4282083	+0.6554699
244 8076,5	+1.2760821	-0.4670819	-0.2485873	244 8276,5	-0.0495809	+1.4312425	+0.6583033
244 8080,5	+1.2985217	-0.4151044	-0.2253295	244 8280,5	-0.1032975	+1.4325463	+0.6603407
244 8084,5	+1.3186312	-0.3623822	-0.2016674	244 8284,5	-0.1568906	+1.4321332	+0.6615867
244 8088,5	+1.3363774	-0.3090105	-0.1776440	244 8288,5	-0.2102975	+1.4300186	+0.6620467
244 8092,5	+1.3517327	-0.2550860	-0.1533027	244 8292,5	-0.2634568	+1.4262191	+0.6617267
244 8096,5	+1.3646747	-0.2007061	-0.1286877	244 8296,5	-0.3163084	+1.4207530	+0.6606334
244 8100,5	+1.3751871	-0.1459689	-0.1038436	244 8300,5	-0.3687937	+1.4136401	+0.6587744
244 8104,5	+1.3832587	-0.0909726	-0.0788152	244 8304,5	-0.4208549	+1.4049012	+0.6561576
244 8108,5	+1.3888841	-0.0358154	-0.0536474	244 8308,5	-0.4724360	+1.3945587	+0.6527919
244 8112,5	+1.3920634	+0.0194048	-0.0283852	244 8312,5	-0.5234820	+1.3826360	+0.6486865
244 8116,5	+1.3928021	+0.0745911	-0.0030731	244 8316,5	-0.5739392	+1.3691579	+0.6438513
244 8120,5	+1.3911111	+0.1296472	+0.0222443	244 8320,5	-0.6237554	+1.3541501	+0.6382968
244 8124,5	+1.3870063	+0.1844784	+0.0475232	244 8324,5	-0.6728795	+1.3376394	+0.6320339
244 8128,5	+1.3805088	+0.2389915	+0.0727200	244 8328,5	-0.7212618	+1.3196537	+0.6250740
244 8132,5	+1.3716446	+0.2930948	+0.0977923	244 8332,5	-0.7688538	+1.3002217	+0.6174291
244 8136,5	+1.3604443	+0.3466990	+0.1226980	244 8336,5	-0.8156083	+1.2793732	+0.6091116
244 8140,5	+1.3469430	+0.3997169	+0.1473962	244 8340,5	-0.8614795	+1.2571388	+0.6001342
244 8144,5	+1.3311801	+0.4520637	+0.1718469	244 8344,5	-0.9064226	+1.2335499	+0.5905101
244 8148,5	+1.3131990	+0.5036573	+0.1960114	244 8348,5	-0.9503943	+1.2086389	+0.5802532
244 8152,5	+1.2930471	+0.5544184	+0.2198518	244 8352,5	-0.9933523	+1.1824386	+0.5693773
244 8156,5	+1.2707751	+0.6042705	+0.2433318	244 8356,5	-1.0352558	+1.1549830	+0.5578970
244 8160,5	+1.2464372	+0.6531404	+0.2664163	244 8360,5	-1.0760650	+1.1263065	+0.5458269
244 8164,5	+1.2200906	+0.7009578	+0.2890715	244 8364,5	-1.1157415	+1.0964443	+0.5331821
244 8168,5	+1.1917955	+0.7476558	+0.3112650	244 8368,5	-1.1542479	+1.0654323	+0.5199783
244 8172,5	+1.1616144	+0.7931708	+0.3329661	244 8372,5	-1.1915481	+1.0333068	+0.5062310
244 8176,5	+1.1296123	+0.8374426	+0.3541452	244 8376,5	-1.2276072	+1.0001051	+0.4919564
244 8180,5	+1.0958564	+0.8804142	+0.3747746	244 8380,5	-1.2623915	+0.9658648	+0.4771709
244 8184,5	+1.0604155	+0.9220324	+0.3948277	244 8384,5	-1.2958683	+0.9306242	+0.4618913
244 8188,5	+1.0233602	+0.9622469	+0.4142799	244 8388,5	-1.3280063	+0.8944221	+0.4461344
244 8192,5	+0.9847624	+1.0010113	+0.4331077	244 8392,5	-1.3587751	+0.8572980	+0.4299176
244 8196,5	+0.9446953	+1.0382823	+0.4512894	244 8396,5	-1.3881457	+0.8192917	+0.4132585
244 8200,5	+0.9032330	+1.0740201	+0.4688047	244 8400,5	-1.4160901	+0.7804437	+0.3961747
244 8204,5	+0.8604503	+1.1081882	+0.4856348	244 8404,5	-1.4425814	+0.7407950	+0.3786845
244 8208,5	+0.8164228	+1.1407533	+0.5017624	244 8408,5	-1.4675939	+0.7003870	+0.3608061
244 8212,5	+0.7712264	+1.1716853	+0.5171718	244 8412,5	-1.4911031	+0.6592617	+0.3425582
244 8216,5	+0.7249371	+1.2009574	+0.5318484	244 8416,5	-1.5130856	+0.6174614	+0.3239595
244 8220,5	+0.6776312	+1.2285458	+0.5457794	244 8420,5	-1.5335191	+0.5750291	+0.3050293
244 8224,5	+0.6293849	+1.2544295	+0.5589532	244 8424,5	-1.5523824	+0.5320082	+0.2857868
244 8228,5	+0.5802742	+1.2785907	+0.5713594	244 8428,5	-1.5696555	+0.4884425	+0.2662516
244 8232,5	+0.5303746	+1.3010144	+0.5829892	244 8432,5	-1.5853197	+0.4443762	+0.2464435
244 8236,5	+0.4797614	+1.3216881	+0.5938348	244 8436,5	-1.5993572	+0.3998540	+0.2263826
244 8240,5	+0.4285092	+1.3406021	+0.6038898	244 8440,5	-1.6117514	+0.3549212	+0.2060892
244 8244,5	+0.3766920	+1.3577494	+0.6131489	244 8444,5	-1.6224872	+0.3096234	+0.1855838
244 8248,5	+0.3243832	+1.3731252	+0.6216081	244 8448,5	-1.6315503	+0.2640065	+0.1648871

Julian Day	<i>x</i>	<i>y</i>	<i>z</i>	Julian Day	<i>x</i>	<i>y</i>	<i>z</i>
244 8452,5	-1.6389279	+0.2181170	+0.1440201	244 8652,5	-0.0134117	-1.3222029	-0.6065705
244 8456,5	-1.6446081	+0.1720017	+0.1230041	244 8656,5	+0.0447358	-1.3167390	-0.6056199
244 8460,5	-1.6485805	+0.1257080	+0.1018603	244 8660,5	+0.1028138	-1.3092305	-0.6037289
244 8464,5	-1.6508359	+0.0792836	+0.0806106	244 8664,5	+0.1607305	-1.2996694	-0.6008913
244 8468,5	-1.6513663	+0.0327764	+0.0592767	244 8668,5	+0.2183928	-1.2880515	-0.5971029
244 8472,5	-1.6501650	-0.0137649	+0.0378807	244 8672,5	+0.2757061	-1.2743763	-0.5923606
244 8476,5	-1.6472268	-0.0602916	+0.0164450	244 8676,5	+0.3325750	-1.2586471	-0.5866637
244 8480,5	-1.6425475	-0.1067544	-0.0050081	244 8680,5	+0.3889031	-1.2408715	-0.5800129
244 8484,5	-1.6361247	-0.1531037	-0.0264558	244 8684,5	+0.4445933	-1.2210610	-0.5724110
244 8488,5	-1.6279569	-0.1992896	-0.0478752	244 8688,5	+0.4995484	-1.1992317	-0.5638626
244 8492,5	-1.6180446	-0.2452617	-0.0692433	244 8692,5	+0.5536709	-1.1754037	-0.5543745
244 8496,5	-1.6063892	-0.2909695	-0.0905367	244 8696,5	+0.6068634	-1.1496019	-0.5439555
244 8500,5	-1.5929941	-0.3363620	-0.1117319	244 8700,5	+0.6590293	-1.1218552	-0.5326162
244 8504,5	-1.5778637	-0.3813879	-0.1328054	244 8704,5	+0.7100725	-1.0921975	-0.5203696
244 8508,5	-1.5610046	-0.4259959	-0.1537333	244 8708,5	+0.7598980	-1.0606670	-0.5072307
244 8512,5	-1.5424244	-0.4701340	-0.1744916	244 8712,5	+0.8084123	-1.0273063	-0.4932166
244 8516,5	-1.5221327	-0.5137503	-0.1950563	244 8716,5	+0.8555236	-0.9921627	-0.4783465
244 8520,5	-1.5001408	-0.5567926	-0.2154030	244 8720,5	+0.9011419	-0.9552878	-0.4626417
244 8524,5	-1.4764615	-0.5992084	-0.2355074	244 8724,5	+0.9451799	-0.9167377	-0.4461256
244 8528,5	-1.4511097	-0.6409454	-0.2553449	244 8728,5	+0.9875529	-0.8765726	-0.4288236
244 8532,5	-1.4241018	-0.6819507	-0.2748909	244 8732,5	+1.0281789	-0.8348571	-0.4107631
244 8536,5	-1.3954564	-0.7221717	-0.2941208	244 8736,5	+1.0669796	-0.7916593	-0.3919733
244 8540,5	-1.3651936	-0.7615556	-0.3130097	244 8740,5	+1.1038800	-0.7470517	-0.3724855
244 8544,5	-1.3333359	-0.8000497	-0.3315329	244 8744,5	+1.1388093	-0.7011101	-0.3523325
244 8548,5	-1.2999077	-0.8376012	-0.3496655	244 8748,5	+1.1717004	-0.6539138	-0.3315490
244 8552,5	-1.2649352	-0.8741575	-0.3673827	244 8752,5	+1.2024910	-0.6055452	-0.3101711
244 8556,5	-1.2284471	-0.9096663	-0.3846596	244 8756,5	+1.2311234	-0.5560898	-0.2882365
244 8560,5	-1.1904741	-0.9440753	-0.4014714	244 8760,5	+1.2575445	-0.5056355	-0.2657842
244 8564,5	-1.1510489	-0.9773327	-0.4177936	244 8764,5	+1.2817065	-0.4542730	-0.2428544
244 8568,5	-1.1102069	-1.0093869	-0.4336013	244 8768,5	+1.3035667	-0.4020945	-0.2194884
244 8572,5	-1.0679854	-1.0401868	-0.4488702	244 8772,5	+1.3230876	-0.3491945	-0.1957286
244 8576,5	-1.0244244	-1.0696818	-0.4635761	244 8776,5	+1.3402374	-0.2956687	-0.1716181
244 8580,5	-0.9795660	-1.0978220	-0.4776948	244 8780,5	+1.3549897	-0.2416140	-0.1472005
244 8584,5	-0.9334548	-1.1245581	-0.4912025	244 8784,5	+1.3673236	-0.1871280	-0.1225201
244 8588,5	-0.8861381	-1.1498416	-0.5040758	244 8788,5	+1.3772240	-0.1323089	-0.0976217
244 8592,5	-0.8376654	-1.1736250	-0.5162914	244 8792,5	+1.3846812	-0.0772551	-0.0725501
244 8596,5	-0.7880889	-1.1958617	-0.5278266	244 8796,5	+1.3896910	-0.0220646	-0.0473503
244 8600,5	-0.7374633	-1.2165064	-0.5386591	244 8800,5	+1.3922549	+0.0331647	-0.0220670
244 8604,5	-0.6858459	-1.2355148	-0.5487671	244 8804,5	+1.3923798	+0.0883359	+0.0032549
244 8608,5	-0.6332965	-1.2528441	-0.5581293	244 8808,5	+1.3900777	+0.1433532	+0.0285711
244 8612,5	-0.5798776	-1.2684531	-0.5667251	244 8812,5	+1.3853660	+0.1981221	+0.0538379
244 8616,5	-0.5256542	-1.2823021	-0.5745345	244 8816,5	+1.3782669	+0.2525497	+0.0790119
244 8620,5	-0.4706938	-1.2943532	-0.5815384	244 8820,5	+1.3688076	+0.3065448	+0.1040506
244 8624,5	-0.4150667	-1.3045705	-0.5877184	244 8824,5	+1.3570198	+0.3600186	+0.1289124
244 8628,5	-0.3588454	-1.3129201	-0.5930570	244 8828,5	+1.3429398	+0.4128843	+0.1535564
244 8632,5	-0.3021050	-1.3193704	-0.5975377	244 8832,5	+1.3266081	+0.4650578	+0.1779430
244 8636,5	-0.2449232	-1.3238923	-0.6011450	244 8836,5	+1.3080691	+0.5164576	+0.2020336
244 8640,5	-0.1873798	-1.3264589	-0.6038645	244 8840,5	+1.2873709	+0.5670050	+0.2257908
244 8644,5	-0.1295568	-1.3270465	-0.6056829	244 8844,5	+1.2645654	+0.6166243	+0.2491783
244 8648,5	-0.0715387	-1.3256338	-0.6065885	244 8848,5	+1.2397076	+0.6652430	+0.2721616

Julian Day	x	y	z	Julian Day	x	y	z
244 8852,5	+1,2128554	+0,7127916	+0,2947070	244 9052,5	-1,1259381	+1,0884589	+0,5297921
244 8856,5	+1,1840696	+0,7592040	+0,3167826	244 9056,5	-1,1641310	+1,0571555	+0,5164459
244 8860,5	+1,1534136	+0,8044173	+0,3383580	244 9060,5	-1,2011083	+1,0247483	+0,5025604
244 8864,5	+1,1209529	+0,8483721	+0,3594040	244 9064,5	-1,2368356	+0,9912744	+0,4881518
244 8868,5	+1,0867552	+0,8910124	+0,3798931	244 9068,5	-1,2712794	+0,9567716	+0,4732366
244 8872,5	+1,0508899	+0,9322856	+0,3997993	244 9072,5	-1,3044074	+0,9212786	+0,4578316
244 8876,5	+1,0134280	+0,9721424	+0,4190982	244 9076,5	-1,3361885	+0,8848341	+0,4419537
244 8880,5	+0,9744418	+1,0105373	+0,4377668	244 9080,5	-1,3665927	+0,8474777	+0,4256203
244 8884,5	+0,9340049	+1,0474277	+0,4557837	244 9084,5	-1,3955913	+0,8092496	+0,4088492
244 8888,5	+0,8921915	+1,0827747	+0,4731289	244 9088,5	-1,4231565	+0,7701902	+0,3916581
244 8892,5	+0,8490767	+1,1165426	+0,4897842	244 9092,5	-1,4492619	+0,7303406	+0,3740652
244 8896,5	+0,8047364	+1,1486989	+0,5057325	244 9096,5	-1,4738819	+0,6897425	+0,3560888
244 8900,5	+0,7592465	+1,1792145	+0,5209584	244 9100,5	-1,4969925	+0,6484379	+0,3377478
244 8904,5	+0,7126832	+1,2080631	+0,5354480	244 9104,5	-1,5185703	+0,6064693	+0,3190609
244 8908,5	+0,6651228	+1,2352218	+0,5491885	244 9108,5	-1,5385936	+0,5638798	+0,3000474
244 8912,5	+0,6166415	+1,2606705	+0,5621687	244 9112,5	-1,5570414	+0,5207128	+0,2807266
244 8916,5	+0,5673153	+1,2843920	+0,5743788	244 9116,5	-1,5738940	+0,4770123	+0,2611181
244 8920,5	+0,5172197	+1,3063720	+0,5858100	244 9120,5	-1,5891330	+0,4328227	+0,2412419
244 8924,5	+0,4664299	+1,3265988	+0,5964550	244 9124,5	-1,6027409	+0,3881888	+0,2211181
244 8928,5	+0,4150204	+1,3450633	+0,6063078	244 9128,5	-1,6147015	+0,3431558	+0,2007670
244 8932,5	+0,3630650	+1,3617592	+0,6153633	244 9132,5	-1,6249999	+0,2977695	+0,1802092
244 8936,5	+0,3106370	+1,3766825	+0,6236177	244 9136,5	-1,6336222	+0,2520760	+0,1594654
244 8940,5	+0,2578084	+1,3898313	+0,6310684	244 9140,5	-1,6405557	+0,2061219	+0,1385569
244 8944,5	+0,2046507	+1,4012064	+0,6377137	244 9144,5	-1,6457891	+0,1599542	+0,1175047
244 8948,5	+0,1512342	+1,4108106	+0,6435530	244 9148,5	-1,6493121	+0,1136202	+0,0963303
244 8952,5	+0,0976284	+1,4186487	+0,6485868	244 9152,5	-1,6511160	+0,0671677	+0,0750556
244 8956,5	+0,0439013	+1,4247276	+0,6528162	244 9156,5	-1,6511931	+0,0206450	+0,0537024
244 8960,5	-0,0098797	+1,4290560	+0,6562436	244 9160,5	-1,6495370	-0,0258994	+0,0322928
244 8964,5	-0,0636489	+1,4316448	+0,6588720	244 9164,5	-1,6461427	-0,0724165	+0,0108491
244 8968,5	-0,1173413	+1,4325061	+0,6607055	244 9168,5	-1,6410067	-0,1188570	-0,0106060
244 8972,5	-0,1708935	+1,4316541	+0,6617488	244 9172,5	-1,6341266	-0,1651712	-0,0320498
244 8976,5	-0,2242431	+1,4291044	+0,6620074	244 9176,5	-1,6255016	-0,2113090	-0,0534594
244 8980,5	-0,2773292	+1,4248743	+0,6614875	244 9180,5	-1,6151323	-0,2572199	-0,0748117
244 8984,5	-0,3300918	+1,4189824	+0,6601961	244 9184,5	-1,6030207	-0,3028534	-0,0960832
244 8988,5	-0,3824727	+1,4114486	+0,6581409	244 9188,5	-1,5891704	-0,3481584	-0,1172504
244 8992,5	-0,4344145	+1,4022944	+0,6553301	244 9192,5	-1,5735865	-0,3930835	-0,1382898
244 8996,5	-0,4858615	+1,3915424	+0,6517725	244 9196,5	-1,5562757	-0,4375772	-0,1591773
244 9000,5	-0,5367590	+1,3792163	+0,6474778	244 9200,5	-1,5372462	-0,4815875	-0,1798890
244 9004,5	-0,5870537	+1,3653412	+0,6424558	244 9204,5	-1,5165081	-0,5250625	-0,2004008
244 9008,5	-0,6366937	+1,3499431	+0,6367172	244 9208,5	-1,4940731	-0,5679499	-0,2206882
244 9012,5	-0,6856283	+1,3330491	+0,6302730	244 9212,5	-1,4699544	-0,6101972	-0,2407270
244 9016,5	-0,7338082	+1,3146874	+0,6231349	244 9216,5	-1,4441675	-0,6517519	-0,2604924
244 9020,5	-0,7811850	+1,2948869	+0,6153148	244 9220,5	-1,4167292	-0,6925612	-0,2799600
244 9024,5	-0,8277122	+1,2736777	+0,6068254	244 9224,5	-1,3876586	-0,7325725	-0,2991049
244 9028,5	-0,8733440	+1,2510906	+0,5976794	244 9228,5	-1,3569765	-0,7717328	-0,3179025
244 9032,5	-0,9180362	+1,2271572	+0,5878903	244 9232,5	-1,3247057	-0,8099896	-0,3363278
244 9036,5	-0,9617456	+1,2019100	+0,5774718	244 9236,5	-1,2908712	-0,8472900	-0,3543560
244 9040,5	-1,0044306	+1,1753822	+0,5664381	244 9240,5	-1,2554999	-0,8835816	-0,3719622
244 9044,5	-1,0460503	+1,1476079	+0,5548036	244 9244,5	-1,2186210	-0,9188120	-0,3891217
244 9048,5	-1,0865656	+1,1186217	+0,5425832	244 9248,5	-1,1802656	-0,9529290	-0,4058097

Julian Day	x	y	z	Julian Day	x	y	z
244 9252,5	-1.1404674	-0.9858808	-0.4220015	244 9452,5	+1.2876209	-0.4412695	-0.2370420
244 9256,5	-1.0992620	-1.0176161	-0.4376725	244 9456,5	+1.3088873	-0.3889066	-0.2135756
244 9260,5	-1.0566876	-1.0480838	-0.4527984	244 9460,5	+1.3278067	-0.3358463	-0.1897261
244 9264,5	-1.0127847	-1.0772335	-0.4673548	244 9464,5	+1.3443484	-0.2821846	-0.1655369
244 9268,5	-0.9675962	-1.1050154	-0.4813178	244 9468,5	+1.3584875	-0.2280185	-0.1410518
244 9272,5	-0.9211672	-1.1313805	-0.4946637	244 9472,5	+1.3702045	-0.1734458	-0.1163152
244 9276,5	-0.8735457	-1.1562806	-0.5073691	244 9476,5	+1.3794855	-0.1185646	-0.0913717
244 9280,5	-0.8247819	-1.1796684	-0.5194108	244 9480,5	+1.3863224	-0.0634733	-0.0662663
244 9284,5	-0.7749286	-1.2014976	-0.5307663	244 9484,5	+1.3907123	-0.0082699	-0.0410440
244 9288,5	-0.7240413	-1.2217232	-0.5414133	244 9488,5	+1.3926581	+0.0469482	-0.0157494
244 9292,5	-0.6721779	-1.2403012	-0.5513303	244 9492,5	+1.3921679	+0.1020843	+0.0095727
244 9296,5	-0.6193988	-1.2571895	-0.5604961	244 9496,5	+1.3892550	+0.1570428	+0.0348783
244 9300,5	-0.5657674	-1.2723470	-0.5688902	244 9500,5	+1.3839380	+0.2117296	+0.0601235
244 9304,5	-0.5113491	-1.2857346	-0.5764931	244 9504,5	+1.3762403	+0.2660524	+0.0852654
244 9308,5	-0.4562123	-1.2973150	-0.5832856	244 9508,5	+1.3661903	+0.3199206	+0.1102616
244 9312,5	-0.4004278	-1.3070528	-0.5892496	244 9512,5	+1.3538208	+0.3732457	+0.1350706
244 9316,5	-0.3440687	-1.3149148	-0.5943680	244 9516,5	+1.3391690	+0.4259418	+0.1596520
244 9320,5	-0.2872110	-1.3208700	-0.5986244	244 9520,5	+1.3222765	+0.4779253	+0.1839664
244 9324,5	-0.2299326	-1.3248897	-0.6020037	244 9524,5	+1.3031885	+0.5291154	+0.2079753
244 9328,5	-0.1723140	-1.3269482	-0.6044918	244 9528,5	+1.2819541	+0.5794343	+0.2316418
244 9332,5	-0.1144379	-1.3270221	-0.6060759	244 9532,5	+1.2586259	+0.6288069	+0.2549300
244 9336,5	-0.0563892	-1.3250913	-0.6067444	244 9536,5	+1.2332596	+0.6771614	+0.2778055
244 9340,5	+0.0017455	-1.3211385	-0.6064870	244 9540,5	+1.2059138	+0.7244293	+0.3002352
244 9344,5	+0.0598772	-1.3151498	-0.6052950	244 9544,5	+1.1766501	+0.7705452	+0.3221874
244 9348,5	+0.1179156	-1.3071146	-0.6031611	244 9548,5	+1.1455323	+0.8154470	+0.3436321
244 9352,5	+0.1757685	-1.2970260	-0.6000796	244 9552,5	+1.1126264	+0.8590762	+0.3645404
244 9356,5	+0.2333425	-1.2848805	-0.5960465	244 9556,5	+1.0780005	+0.9013777	+0.3848853
244 9360,5	+0.2905430	-1.2706787	-0.5910595	244 9560,5	+1.0417245	+0.9422995	+0.4046412
244 9364,5	+0.3472741	-1.2544251	-0.5851181	244 9564,5	+1.0038696	+0.9817934	+0.4237838
244 9368,5	+0.4034394	-1.2361282	-0.5782236	244 9568,5	+0.9645085	+1.0198144	+0.4422908
244 9372,5	+0.4589418	-1.2158008	-0.5703793	244 9572,5	+0.9237150	+1.0563210	+0.4601409
244 9376,5	+0.5136841	-1.1934600	-0.5615904	244 9576,5	+0.8815635	+1.0912750	+0.4773147
244 9380,5	+0.5675688	-1.1691270	-0.5518641	244 9580,5	+0.8381294	+1.1246415	+0.4937941
244 9384,5	+0.6204988	-1.1428278	-0.5412096	244 9584,5	+0.7934885	+1.1563888	+0.5095626
244 9388,5	+0.6723775	-1.1145928	-0.5296384	244 9588,5	+0.7477168	+1.1864884	+0.5246051
244 9392,5	+0.7231093	-1.0844566	-0.5171638	244 9592,5	+0.7008906	+1.2149150	+0.5389078
244 9396,5	+0.7725997	-1.0524587	-0.5038014	244 9596,5	+0.6530862	+1.2416463	+0.5524585
244 9400,5	+0.8207554	-1.0186430	-0.4895688	244 9600,5	+0.6043798	+1.2666629	+0.5652463
244 9404,5	+0.8674853	-0.9830578	-0.4744857	244 9604,5	+0.5548471	+1.2899483	+0.5772616
244 9408,5	+0.9127002	-0.9457558	-0.4585740	244 9608,5	+0.5045638	+1.3114889	+0.5884960
244 9412,5	+0.9563133	-0.9067941	-0.4418576	244 9612,5	+0.4536049	+1.3312735	+0.5989425
244 9416,5	+0.9982407	-0.8662340	-0.4243623	244 9616,5	+0.4020447	+1.3492939	+0.6085953
244 9420,5	+1.0384014	-0.8241409	-0.4061160	244 9620,5	+0.3499569	+1.3655442	+0.6174496
244 9424,5	+1.0767179	-0.7805842	-0.3871485	244 9624,5	+0.2974144	+1.3800209	+0.6255021
244 9428,5	+1.1131164	-0.7356370	-0.3674913	244 9628,5	+0.2444894	+1.3927230	+0.6327502
244 9432,5	+1.1475269	-0.6893760	-0.3471778	244 9632,5	+0.1912530	+1.4036516	+0.6391925
244 9436,5	+1.1798838	-0.6418812	-0.3262430	244 9636,5	+0.1377752	+1.4128101	+0.6448287
244 9440,5	+1.2101257	-0.5932359	-0.3047234	244 9640,5	+0.0841253	+1.4202037	+0.6496595
244 9444,5	+1.2381961	-0.5435260	-0.2826570	244 9644,5	+0.0303711	+1.4258399	+0.6536864
244 9448,5	+1.2640434	-0.4928402	-0.2600830	244 9648,5	-0.0234203	+1.4297280	+0.6569118

Julian Day	x	y	z	Julian Day	x	y	z
244 9652,5	-0,0771834	+1,4318790	+0,6593391	244 9852,5	-1,6449830	-0,0843791	+0,0053229
244 9656,5	-0,1308537	+1,4323058	+0,6609724	244 9856,5	-1,6393989	-0,1307897	-0,0161304
244 9660,5	-0,1843678	+1,4310227	+0,6618166	244 9860,5	-1,6320701	-0,1770610	-0,0375666
244 9664,5	-0,2376637	+1,4280459	+0,6618776	244 9864,5	-1,6229963	-0,2231431	-0,0589625
244 9668,5	-0,2906808	+1,4233929	+0,6611617	244 9868,5	-1,6121782	-0,2689853	-0,0802951
244 9672,5	-0,3433595	+1,4170828	+0,6596760	244 9872,5	-1,5996185	-0,3145369	-0,1015410
244 9676,5	-0,3956416	+1,4091359	+0,6574284	244 9876,5	-1,5853210	-0,3597468	-0,1226765
244 9680,5	-0,4474703	+1,3995740	+0,6544273	244 9880,5	-1,5692913	-0,4045636	-0,1436780
244 9684,5	-0,4987900	+1,3884198	+0,6506817	244 9884,5	-1,5515364	-0,4489357	-0,1645215
244 9688,5	-0,5495464	+1,3756977	+0,6462013	244 9888,5	-1,5320650	-0,4928112	-0,1851830
244 9692,5	-0,5996866	+1,3614328	+0,6409962	244 9892,5	-1,5108876	-0,5361378	-0,2056383
244 9696,5	-0,6491589	+1,3456515	+0,6350771	244 9896,5	-1,4880162	-0,5788634	-0,2258630
244 9700,5	-0,6979128	+1,3283812	+0,6284553	244 9900,5	-1,4634648	-0,6209355	-0,2458328
244 9704,5	-0,7458993	+1,3096502	+0,6211424	244 9904,5	-1,4372490	-0,6623013	-0,2655230
244 9708,5	-0,7930706	+1,2894879	+0,6131507	244 9908,5	-1,4093863	-0,7029083	-0,2849089
244 9712,5	-0,8393802	+1,2679244	+0,6044927	244 9912,5	-1,3798962	-0,7427037	-0,3039658
244 9716,5	-0,8847828	+1,2449909	+0,5951816	244 9916,5	-1,3488000	-0,7816346	-0,3226690
244 9720,5	-0,9292344	+1,2207192	+0,5852307	244 9920,5	-1,3161212	-0,8196484	-0,3409935
244 9724,5	-0,9726922	+1,1951420	+0,5746540	244 9924,5	-1,2818850	-0,8566924	-0,3589146
244 9728,5	-1,0151147	+1,1682927	+0,5634656	244 9928,5	-1,2461191	-0,8927140	-0,3764073
244 9732,5	-1,0564615	+1,1402056	+0,5516801	244 9932,5	-1,2088530	-0,9276610	-0,3934470
244 9736,5	-1,0966937	+1,1109154	+0,5393126	244 9936,5	-1,1701187	-0,9614813	-0,4100087
244 9740,5	-1,1357734	+1,0804578	+0,5263784	244 9940,5	-1,1299502	-0,9941231	-0,4260680
244 9744,5	-1,1736638	+1,0488688	+0,5128929	244 9944,5	-1,0883838	-1,0255351	-0,4416001
244 9748,5	-1,2103294	+1,0161854	+0,4988723	244 9948,5	-1,0454584	-1,0556665	-0,4565808
244 9752,5	-1,2457360	+0,9824449	+0,4843327	244 9952,5	-1,0012149	-1,0844671	-0,4709859
244 9756,5	-1,2798505	+0,9476854	+0,4692908	244 9956,5	-0,9556969	-1,1118871	-0,4847914
244 9760,5	-1,3126407	+0,9119454	+0,4537633	244 9960,5	-0,9089504	-1,1378777	-0,4979738
244 9764,5	-1,3440760	+0,8752641	+0,4377674	244 9964,5	-0,8610238	-1,1623910	-0,5105095
244 9768,5	-1,3741266	+0,8376811	+0,4213206	244 9968,5	-0,8119680	-1,1853798	-0,5223757
244 9772,5	-1,4027641	+0,7992367	+0,4044405	244 9972,5	-0,7618365	-1,2067983	-0,5335499
244 9776,5	-1,4299610	+0,7599716	+0,3871451	244 9976,5	-0,7106854	-1,2266015	-0,5440100
244 9780,5	-1,4556911	+0,7199270	+0,3694526	244 9980,5	-0,6585734	-1,2447461	-0,5537344
244 9784,5	-1,4799294	+0,6791446	+0,3513814	244 9984,5	-0,6055616	-1,2611900	-0,5627022
244 9788,5	-1,5026518	+0,6376666	+0,3329504	244 9988,5	-0,5517140	-1,2758928	-0,5708933
244 9792,5	-1,5238356	+0,5955357	+0,3141785	244 9992,5	-0,4970968	-1,2888157	-0,5782879
244 9796,5	-1,5434590	+0,5527950	+0,2950848	244 9996,5	-0,4417790	-1,2999219	-0,5848673
244 9800,5	-1,5615015	+0,5094882	+0,2756890	245 0000,5	-0,3858321	-1,3091765	-0,5906136
244 9804,5	-1,5779438	+0,4656592	+0,2560106	245 0004,5	-0,3293300	-1,3165468	-0,5955099
244 9808,5	-1,5927676	+0,4213527	+0,2360697	245 0008,5	-0,2723491	-1,3220026	-0,5995402
244 9812,5	-1,6059559	+0,3766135	+0,2158863	245 0012,5	-0,2149681	-1,3255158	-0,6026895
244 9816,5	-1,6174927	+0,3314871	+0,1954810	245 0016,5	-0,1572682	-1,3270612	-0,6049440
244 9820,5	-1,6273633	+0,2860193	+0,1748743	245 0020,5	-0,0993326	-1,3266164	-0,6062913
244 9824,5	-1,6355543	+0,2402562	+0,1540871	245 0024,5	-0,0412467	-1,3241620	-0,6067202
244 9828,5	-1,6420533	+0,1942446	+0,1331406	245 0028,5	+0,0169021	-1,3196815	-0,6062207
244 9832,5	-1,6468492	+0,1480316	+0,1120559	245 0032,5	+0,0750247	-1,3131618	-0,6047844
244 9836,5	-1,6499322	+0,1016646	+0,0908547	245 0036,5	+0,1330300	-1,3045933	-0,6024046
244 9840,5	-1,6512937	+0,0551916	+0,0695588	245 0040,5	+0,1908255	-1,2939700	-0,5990759
244 9844,5	-1,6509264	+0,0086608	+0,0481900	245 0044,5	+0,2483175	-1,2812895	-0,5947948
244 9848,5	-1,6488244	-0,0378792	+0,0267705	245 0048,5	+0,3054109	-1,2665534	-0,5895594

Julian Day	x	y	z	Julian Day	x	y	z
245 0052,5	+0.3620097	-1.2497672	-0.5833697	245 0252,5	+0.9940672	+0.9917660	+0.4286289
245 0056,5	+0.4180172	-1.2309406	-0.5762276	245 0256,5	+0.9543362	+1.0293975	+0.44469666
245 0060,5	+0.4733363	-1.2100874	-0.5681367	245 0260,5	+0.9131919	+1.0655049	+0.4646426
245 0064,5	+0.5278696	-1.1872259	-0.5591030	245 0264,5	+0.8707091	+1.1000508	+0.4816376
245 0068,5	+0.5815197	-1.1623786	-0.5491341	245 0268,5	+0.8269631	+1.1330012	+0.4979341
245 0072,5	+0.6341896	-1.1355725	-0.5382398	245 0272,5	+0.7820297	+1.1643252	+0.5135158
245 0076,5	+0.6857830	-1.1068393	-0.5264320	245 0276,5	+0.7359852	+1.1939952	+0.5283680
245 0080,5	+0.7362044	-1.0762149	-0.5137248	245 0280,5	+0.6889057	+1.2219865	+0.5424774
245 0084,5	+0.7853596	-1.0437399	-0.5001342	245 0284,5	+0.6408675	+1.2482777	+0.5558320
245 0088,5	+0.8331559	-1.0094593	-0.4856783	245 0288,5	+0.5919467	+1.2728500	+0.5684213
245 0092,5	+0.8795027	-0.9734227	-0.4703776	245 0292,5	+0.5422189	+1.2956878	+0.5802360
245 0096,5	+0.9243113	-0.9356840	-0.4542544	245 0296,5	+0.4917596	+1.3167779	+0.5912680
245 0100,5	+0.9674957	-0.8963015	-0.4373332	245 0300,5	+0.4406435	+1.3361102	+0.6015108
245 0104,5	+1.0089728	-0.8553374	-0.4196402	245 0304,5	+0.3889450	+1.3536767	+0.6109586
245 0108,5	+1.0486626	-0.8128584	-0.4012040	245 0308,5	+0.3367374	+1.3694724	+0.6196071
245 0112,5	+1.0864883	-0.7689347	-0.3820547	245 0312,5	+0.2840935	+1.3834943	+0.6274531
245 0116,5	+1.1223774	-0.7236404	-0.3622245	245 0316,5	+0.2310851	+1.3957419	+0.6344944
245 0120,5	+1.1562608	-0.6770533	-0.3417470	245 0320,5	+0.1777830	+1.4062169	+0.6407300
245 0124,5	+1.1880741	-0.6292540	-0.3206578	245 0324,5	+0.1242571	+1.4149231	+0.6461596
245 0128,5	+1.2177573	-0.5803267	-0.2989936	245 0328,5	+0.0705763	+1.4218665	+0.6507841
245 0132,5	+1.2452551	-0.5303580	-0.2767930	245 0332,5	+0.0168081	+1.4270548	+0.6546054
245 0136,5	+1.2705173	-0.4794372	-0.2540954	245 0336,5	-0.0369807	+1.4304978	+0.6576261
245 0140,5	+1.2934986	-0.4276558	-0.2309417	245 0340,5	-0.0907249	+1.4322070	+0.6598497
245 0144,5	+1.3141591	-0.3751070	-0.2073736	245 0344,5	-0.1443603	+1.4321955	+0.6612806
245 0148,5	+1.3324642	-0.3218860	-0.1834339	245 0348,5	-0.1978238	+1.4304784	+0.6619239
245 0152,5	+1.3483849	-0.2680890	-0.1591659	245 0352,5	-0.2510539	+1.4270719	+0.6617855
245 0156,5	+1.3618977	-0.2138132	-0.1346137	245 0356,5	-0.3039900	+1.4219940	+0.6608720
245 0160,5	+1.3729846	-0.1591566	-0.1098217	245 0360,5	-0.3565732	+1.4152641	+0.6591908
245 0164,5	+1.3816332	-0.1042172	-0.0848346	245 0364,5	-0.4087454	+1.4069028	+0.6567497
245 0168,5	+1.3878368	-0.0490934	-0.0596974	245 0368,5	-0.4604501	+1.3969322	+0.6535574
245 0172,5	+1.3915940	+0.0061170	-0.0344550	245 0372,5	-0.5116322	+1.3853755	+0.6496229
245 0176,5	+1.3929092	+0.0613167	-0.0091520	245 0376,5	-0.5622375	+1.3722571	+0.6449562
245 0180,5	+1.3917917	+0.1164094	+0.0161670	245 0380,5	-0.6122136	+1.3576025	+0.6395675
245 0184,5	+1.3882564	+0.1713000	+0.0414579	245 0384,5	-0.6615090	+1.3414383	+0.6334676
245 0188,5	+1.3823230	+0.2258948	+0.0666773	245 0388,5	-0.7100737	+1.3237922	+0.6266680
245 0192,5	+1.3740164	+0.2801019	+0.0917822	245 0392,5	-0.7578589	+1.3046928	+0.6191803
245 0196,5	+1.3633660	+0.3338313	+0.1167306	245 0396,5	-0.8048171	+1.2841696	+0.6110169
245 0200,5	+1.3504058	+0.3869952	+0.1414814	245 0400,5	-0.8509021	+1.2622530	+0.6021905
245 0204,5	+1.3351741	+0.4395084	+0.1659942	245 0404,5	-0.8960689	+1.2389743	+0.5927144
245 0208,5	+1.3177135	+0.4912881	+0.1902300	245 0408,5	-0.9402739	+1.2143656	+0.5826019
245 0212,5	+1.2980703	+0.5422541	+0.2141508	245 0412,5	-0.9834745	+1.1884598	+0.5718672
245 0216,5	+1.2762945	+0.5923294	+0.2377198	245 0416,5	-1.0256297	+1.1612905	+0.5605244
245 0220,5	+1.2524392	+0.6414399	+0.2609016	245 0420,5	-1.0666992	+1.1328920	+0.5485884
245 0224,5	+1.2265612	+0.6895146	+0.2836621	245 0424,5	-1.1066444	+1.1032995	+0.5360742
245 0228,5	+1.1987198	+0.7364858	+0.3059686	245 0428,5	-1.1454277	+1.0725485	+0.5229971
245 0232,5	+1.1689769	+0.7822890	+0.3277899	245 0432,5	-1.1830128	+1.0406754	+0.5093728
245 0236,5	+1.1373971	+0.8268631	+0.3490962	245 0436,5	-1.2193643	+1.0077173	+0.4952175
245 0240,5	+1.1040469	+0.8701505	+0.3698593	245 0440,5	-1.2544483	+0.9737117	+0.4805474
245 0244,5	+1.0689948	+0.9120967	+0.3900523	245 0444,5	-1.2882319	+0.9386967	+0.4653791
245 0248,5	+1.0323111	+0.9526511	+0.4096501	245 0448,5	-1.3206835	+0.9027111	+0.4497296

Julian Day	x	y	z	Julian Day	x	y	z
245 0452,5	-1,3517724	+0,8657942	+0,4336162	245 0652,5	-0,8487297	-1,1684213	-0,5136141
245 0456,5	-1,3814693	+0,8279858	+0,4170562	245 0656,5	-0,7994000	-1,1910138	-0,5253055
245 0460,5	-1,4097460	+0,7893262	+0,4000675	245 0660,5	-0,7490086	-1,2120244	-0,5362992
245 0464,5	-1,4365754	+0,7498563	+0,3826681	245 0664,5	-0,6976123	-1,2314086	-0,5465732
245 0468,5	-1,4619315	+0,7096174	+0,3648763	245 0668,5	-0,6452703	-1,2491234	-0,5561062
245 0472,5	-1,4857895	+0,6686515	+0,3467106	245 0672,5	-0,5920446	-1,2651271	-0,5648775
245 0476,5	-1,5081257	+0,6270007	+0,3281898	245 0676,5	-0,5379994	-1,2793796	-0,5728669
245 0480,5	-1,5289176	+0,5847080	+0,3093330	245 0680,5	-0,4832020	-1,2918428	-0,5800550
245 0484,5	-1,5481438	+0,5418166	+0,2901594	245 0684,5	-0,4277217	-1,3024802	-0,5864233
245 0488,5	-1,5657841	+0,4983702	+0,2706886	245 0688,5	-0,3716307	-1,3112574	-0,5919541
245 0492,5	-1,5818193	+0,4544130	+0,2509404	245 0692,5	-0,3150035	-1,3181425	-0,5966308
245 0496,5	-1,5962315	+0,4099897	+0,2309348	245 0696,5	-0,2579172	-1,3231056	-0,6004374
245 0500,5	-1,6090039	+0,3651453	+0,2106919	245 0700,5	-0,2004510	-1,3261195	-0,6033595
245 0504,5	-1,6201210	+0,3199252	+0,1902324	245 0704,5	-0,1426865	-1,3271597	-0,6053836
245 0508,5	-1,6295683	+0,2743756	+0,1695768	245 0708,5	-0,0847075	-1,3262043	-0,6064974
245 0512,5	-1,6373326	+0,2285427	+0,1487461	245 0712,5	-0,0266000	-1,3232347	-0,6066901
245 0516,5	-1,6434020	+0,1824733	+0,1277615	245 0716,5	+0,0315482	-1,3182354	-0,6059521
245 0520,5	-1,6477656	+0,1362146	+0,1066443	245 0720,5	+0,0896475	-1,3111940	-0,6042755
245 0524,5	-1,6504140	+0,0898141	+0,0854161	245 0724,5	+0,1476065	-1,3021018	-0,6016538
245 0528,5	-1,6513389	+0,0433200	+0,0640988	245 0728,5	+0,2053324	-1,2909537	-0,5980820
245 0532,5	-1,6505334	-0,0032195	+0,0427143	245 0732,5	+0,2627310	-1,2777482	-0,5935572
245 0536,5	-1,6479918	-0,0497554	+0,0212849	245 0736,5	+0,3197071	-1,2624880	-0,5880778
245 0540,5	-1,6437098	-0,0962388	-0,0001669	245 0740,5	+0,3761644	-1,2451795	-0,5816443
245 0544,5	-1,6376844	-0,1426200	-0,0216185	245 0744,5	+0,4320062	-1,2258335	-0,5742590
245 0548,5	-1,6299143	-0,1888492	-0,0430470	245 0748,5	+0,4871351	-1,2044649	-0,5659263
245 0552,5	-1,6203991	-0,2348761	-0,0644294	245 0752,5	+0,5414537	-1,1810929	-0,5566522
245 0556,5	-1,6091403	-0,2806501	-0,0857424	245 0756,5	+0,5948647	-1,1557414	-0,5464451
245 0560,5	-1,5961406	-0,3261205	-0,1069627	245 0760,5	+0,6472712	-1,1284383	-0,5353154
245 0564,5	-1,5814045	-0,3712360	-0,1280665	245 0764,5	+0,6985771	-1,0992164	-0,5232753
245 0568,5	-1,5649379	-0,4159451	-0,1490301	245 0768,5	+0,7486870	-1,0681129	-0,5103396
245 0572,5	-1,5467481	-0,4601962	-0,1698296	245 0772,5	+0,7975072	-1,0351694	-0,4965246
245 0576,5	-1,5268445	-0,5039373	-0,1904409	245 0776,5	+0,8449455	-1,0004321	-0,4818493
245 0580,5	-1,5052379	-0,5471161	-0,2108397	245 0780,5	+0,8909115	-0,9639518	-0,4663345
245 0584,5	-1,4819407	-0,5896804	-0,2310017	245 0784,5	+0,9353172	-0,9257833	-0,4500030
245 0588,5	-1,4569674	-0,6315777	-0,2509024	245 0788,5	+0,9780773	-0,8859861	-0,4328797
245 0592,5	-1,4303342	-0,6727552	-0,2705171	245 0792,5	+1,0191094	-0,8446236	-0,4149917
245 0596,5	-1,4020589	-0,7131604	-0,2898213	245 0796,5	+1,0583341	-0,8017633	-0,3963677
245 0600,5	-1,3721615	-0,7527403	-0,3087901	245 0800,5	+1,0956758	-0,7574765	-0,3770386
245 0604,5	-1,3406639	-0,7914423	-0,3273987	245 0804,5	+1,1310627	-0,7118383	-0,3570367
245 0608,5	-1,3075901	-0,8292137	-0,3456224	245 0808,5	+1,1644269	-0,6649272	-0,3363964
245 0612,5	-1,2729659	-0,8660017	-0,3634362	245 0812,5	+1,1957050	-0,6168249	-0,3151535
245 0616,5	-1,2368194	-0,9017540	-0,3808153	245 0816,5	+1,2248382	-0,5676162	-0,2933452
245 0620,5	-1,1991809	-0,9364183	-0,3977349	245 0820,5	+1,2517723	-0,5173884	-0,2710103
245 0624,5	-1,1600826	-0,9699426	-0,4141704	245 0824,5	+1,2764584	-0,4662315	-0,2481887
245 0628,5	-1,1195593	-1,0022754	-0,4300970	245 0828,5	+1,2988526	-0,4142376	-0,2249215
245 0632,5	-1,0776479	-1,0333653	-0,4454904	245 0832,5	+1,3189162	-0,3615004	-0,2012507
245 0636,5	-1,0343878	-1,0631617	-0,4603260	245 0836,5	+1,3366162	-0,3081154	-0,1772193
245 0640,5	-0,9898205	-1,0916146	-0,4745800	245 0840,5	+1,3519247	-0,2541792	-0,1528708
245 0644,5	-0,9439903	-1,1186744	-0,4882283	245 0844,5	+1,3648198	-0,1997893	-0,1282494
245 0648,5	-0,8969437	-1,1442926	-0,5012474	245 0848,5	+1,3752849	-0,1450437	-0,1033998

Julian Day	x	y	z	Julian Day	x	y	z
245 0852.5	+1.3833091	-0.0900407	-0.0783666	245 1052.5	-0.4221010	+1.4045671	+0.6560402
245 0856.5	+1.3888869	-0.0348786	-0.0531948	245 1056.5	-0.4736715	+1.3941866	+0.6526559
245 0860.5	+1.3920187	+0.0203450	-0.0279293	245 1060.5	-0.5247053	+1.3822263	+0.6485321
245 0864.5	+1.3927098	+0.0755329	-0.0026149	245 1064.5	-0.5751490	+1.3687109	+0.6436786
245 0868.5	+1.3909713	+0.1305890	+0.0227040	245 1068.5	-0.6249501	+1.3536661	+0.6381059
245 0872.5	+1.3868192	+0.1854185	+0.0479836	245 1072.5	-0.6740577	+1.3371188	+0.6318250
245 0876.5	+1.3802746	+0.2399282	+0.0731804	245 1076.5	-0.7224221	+1.3190968	+0.6248472
245 0880.5	+1.3713636	+0.2940264	+0.0982517	245 1080.5	-0.7699949	+1.2996291	+0.6171845
245 0884.5	+1.3601169	+0.3476239	+0.1231557	245 1084.5	-0.8167287	+1.2787454	+0.6088494
245 0888.5	+1.3465697	+0.4006334	+0.1478514	245 1088.5	-0.8625779	+1.2564762	+0.5998547
245 0892.5	+1.3307613	+0.4529702	+0.1722988	245 1092.5	-0.9074978	+1.2328532	+0.5902136
245 0896.5	+1.3127354	+0.5045522	+0.1964591	245 1096.5	-0.9514449	+1.2079085	+0.5799398
245 0900.5	+1.2925393	+0.5553001	+0.2202947	245 1100.5	-0.9943772	+1.1816752	+0.5690474
245 0904.5	+1.2702238	+0.6051375	+0.2437690	245 1104.5	-1.0362537	+1.1541872	+0.5575506
245 0908.5	+1.2458432	+0.6539911	+0.2668471	245 1108.5	-1.0770348	+1.1254789	+0.5454645
245 0912.5	+1.2194548	+0.7017909	+0.2894951	245 1112.5	-1.1166820	+1.0955855	+0.5328039
245 0916.5	+1.1911187	+0.7484698	+0.3116808	245 1116.5	-1.1551579	+1.0645429	+0.5195845
245 0920.5	+1.1608977	+0.7939643	+0.3333733	245 1120.5	-1.1924266	+1.0323877	+0.5058221
245 0924.5	+1.1288567	+0.8382143	+0.3545432	245 1124.5	-1.2284530	+0.9991569	+0.4915326
245 0928.5	+1.0950629	+0.8811628	+0.3751626	245 1128.5	-1.2632036	+0.9648882	+0.4767326
245 0932.5	+1.0595853	+0.9227565	+0.3952053	245 1132.5	-1.2966457	+0.9296200	+0.4614387
245 0936.5	+1.0224944	+0.9629455	+0.4146463	245 1136.5	-1.3287479	+0.8933911	+0.4456680
245 0940.5	+0.9838624	+1.0016831	+0.4334623	245 1140.5	-1.3594800	+0.8562409	+0.4294377
245 0944.5	+0.9437622	+1.0389263	+0.4516317	245 1144.5	-1.3888129	+0.8182093	+0.4127653
245 0948.5	+0.9022682	+1.0746352	+0.4691341	245 1148.5	-1.4167187	+0.7793369	+0.3956688
245 0952.5	+0.8594552	+1.1087733	+0.4859508	245 1152.5	-1.4431704	+0.7396646	+0.3781661
245 0956.5	+0.8153988	+1.1413075	+0.5020645	245 1156.5	-1.4681426	+0.6992338	+0.3602757
245 0960.5	+0.7701749	+1.1722078	+0.5174594	245 1160.5	-1.4916105	+0.6580866	+0.3420162
245 0964.5	+0.7238596	+1.2014473	+0.5321213	245 1164.5	-1.5135508	+0.6162654	+0.3234064
245 0968.5	+0.6765292	+1.2290023	+0.5460370	245 1168.5	-1.5339413	+0.5738131	+0.3044654
245 0972.5	+0.6282598	+1.2548519	+0.5591951	245 1172.5	-1.5527609	+0.5307731	+0.2852125
245 0976.5	+0.5791276	+1.2789783	+0.5715853	245 1176.5	-1.5699895	+0.4871893	+0.2656674
245 0980.5	+0.5292081	+1.3013665	+0.5831986	245 1180.5	-1.5856084	+0.4431059	+0.2458499
245 0984.5	+0.4785767	+1.3220042	+0.5940275	245 1184.5	-1.5995999	+0.3985677	+0.2257801
245 0988.5	+0.4273078	+1.3408817	+0.6040655	245 1188.5	-1.6119475	+0.3536198	+0.2054782
245 0992.5	+0.3754757	+1.3579920	+0.6133074	245 1192.5	-1.6226360	+0.3083080	+0.1849648
245 0996.5	+0.3231534	+1.3733305	+0.6217490	245 1196.5	-1.6316511	+0.2626782	+0.1642607
245 1000.5	+0.2704136	+1.3868949	+0.6293875	245 1200.5	-1.6389801	+0.2167770	+0.1433869
245 1004.5	+0.2173277	+1.3986853	+0.6362209	245 1204.5	-1.6446112	+0.1706512	+0.1223645
245 1008.5	+0.1639664	+1.4087040	+0.6422484	245 1208.5	-1.6485340	+0.1243481	+0.1012149
245 1012.5	+0.1103992	+1.4169553	+0.6474702	245 1212.5	-1.6507392	+0.0779154	+0.0799600
245 1016.5	+0.0566947	+1.4234457	+0.6518873	245 1216.5	-1.6512190	+0.0314014	+0.0586214
245 1020.5	+0.0029201	+1.4281835	+0.6555018	245 1220.5	-1.6499666	-0.0151456	+0.0372214
245 1024.5	-0.0508581	+1.4311788	+0.6583166	245 1224.5	-1.6469769	-0.0616767	+0.0157822
245 1028.5	-0.1045750	+1.4324437	+0.6603353	245 1228.5	-1.6422459	-0.1081425	-0.0056737
245 1032.5	-0.1581668	+1.4319918	+0.6615627	245 1232.5	-1.6357709	-0.1544934	-0.0271236
245 1036.5	-0.2115707	+1.4298383	+0.6620040	245 1236.5	-1.6275508	-0.2006795	-0.0485445
245 1040.5	-0.2647256	+1.4260001	+0.6616652	245 1240.5	-1.6175858	-0.2466505	-0.0699133
245 1044.5	-0.3175712	+1.4204955	+0.6605533	245 1244.5	-1.6058776	-0.2923556	-0.0912068
245 1048.5	-0.3700489	+1.4133441	+0.6586756	245 1248.5	-1.5924295	-0.3377439	-0.1124015

Julian Day	x	y	z	Julian Day	x	y	z
245 1252,5	-1.5772461	-0.3827642	-0.1334736	245 1452,5	+0.7116410	-1.0915631	-0.5201128
245 1256,5	-1.5603339	-0.4273648	-0.1543995	245 1456,5	+0.7614234	-1.0599908	-0.5069530
245 1260,5	-1.5417007	-0.4714941	-0.1751550	245 1460,5	+0.8098925	-1.0265905	-0.4929188
245 1264,5	-1.5213561	-0.5150998	-0.1957161	245 1464,5	+0.8569564	-0.9914093	-0.4780296
245 1268,5	-1.4993114	-0.5581300	-0.2160584	245 1468,5	+0.9025257	-0.9544990	-0.4623066
245 1272,5	-1.4755796	-0.6005319	-0.2361576	245 1472,5	+0.9465129	-0.9159158	-0.4457734
245 1276,5	-1.4501756	-0.6422533	-0.2559891	245 1476,5	+0.9888335	-0.8757199	-0.4284552
245 1280,5	-1.4231159	-0.6832413	-0.2755283	245 1480,5	+1.0294059	-0.8339758	-0.4103796
245 1284,5	-1.3944192	-0.7234432	-0.2947504	245 1484,5	+1.0681516	-0.7907520	-0.3915759
245 1288,5	-1.3641056	-0.7628062	-0.3136309	245 1488,5	+1.1049961	-0.7461207	-0.3720752
245 1292,5	-1.3321979	-0.8012776	-0.3321447	245 1492,5	+1.1398685	-0.7001579	-0.3519104
245 1296,5	-1.2987202	-0.8388047	-0.3502670	245 1496,5	+1.1727021	-0.6529428	-0.3311163
245 1300,5	-1.2636992	-0.8753348	-0.3679730	245 1500,5	+1.2034347	-0.6045579	-0.3097289
245 1304,5	-1.2271635	-0.9108156	-0.3852380	245 1504,5	+1.2320086	-0.5550885	-0.2877859
245 1308,5	-1.1891438	-0.9451948	-0.4020370	245 1508,5	+1.2583711	-0.5046227	-0.2653263
245 1312,5	-1.1496731	-0.9784206	-0.4183453	245 1512,5	+1.2824743	-0.4532509	-0.2423904
245 1316,5	-1.1087868	-1.0104414	-0.4341385	245 1516,5	+1.3042758	-0.4010655	-0.2190194
245 1320,5	-1.0665224	-1.0412062	-0.4493920	245 1520,5	+1.3237383	-0.3481608	-0.1952556
245 1324,5	-1.0229198	-1.0706644	-0.4640816	245 1524,5	+1.3408300	-0.2946325	-0.1711421
245 1328,5	-0.9780213	-1.0987661	-0.4781832	245 1528,5	+1.3555246	-0.2405773	-0.1467225
245 1332,5	-0.9318718	-1.1254621	-0.4916730	245 1532,5	+1.3678015	-0.1860929	-0.1220412
245 1336,5	-0.8845185	-1.1507039	-0.5045275	245 1536,5	+1.3776455	-0.1312774	-0.0971427
245 1340,5	-0.8360110	-1.1744440	-0.5167236	245 1540,5	+1.3850470	-0.0762289	-0.0720720
245 1344,5	-0.7864017	-1.1966359	-0.5282385	245 1544,5	+1.3900021	-0.0210457	-0.0468739
245 1348,5	-0.7357453	-1.2172343	-0.5390500	245 1548,5	+1.3925122	+0.0341748	-0.0215932
245 1352,5	-0.6840993	-1.2361950	-0.5491362	245 1552,5	+1.3925843	+0.0893355	+0.0037253
245 1356,5	-0.6315235	-1.2534754	-0.5584761	245 1556,5	+1.3902304	+0.1443409	+0.0290374
245 1360,5	-0.5780807	-1.2690342	-0.5670488	245 1560,5	+1.3854681	+0.1990964	+0.0542993
245 1364,5	-0.5238357	-1.2828318	-0.5748346	245 1564,5	+1.3783195	+0.2535091	+0.0794677
245 1368,5	-0.4688564	-1.2948306	-0.5818143	245 1568,5	+1.3688119	+0.3074882	+0.1045003
245 1372,5	-0.4132130	-1.3049945	-0.5879696	245 1572,5	+1.3569772	+0.3609447	+0.1293553
245 1376,5	-0.3569781	-1.3132900	-0.5932830	245 1576,5	+1.3428514	+0.4137921	+0.1539919
245 1380,5	-0.3002270	-1.3196856	-0.5977381	245 1580,5	+1.3264752	+0.4659462	+0.1783706
245 1384,5	-0.2430373	-1.3241520	-0.6013195	245 1584,5	+1.3078931	+0.5173256	+0.2024528
245 1388,5	-0.1854888	-1.3266628	-0.6040127	245 1588,5	+1.2871531	+0.5678518	+0.2262010
245 1392,5	-0.1276638	-1.3271942	-0.6058047	245 1592,5	+1.2643071	+0.6174490	+0.2495792
245 1396,5	-0.0696466	-1.3257252	-0.6066836	245 1596,5	+1.2394101	+0.6660448	+0.2725527
245 1400,5	-0.0115235	-1.3222379	-0.6066390	245 1600,5	+1.2125201	+0.7135698	+0.2950879
245 1404,5	+0.0466170	-1.3167176	-0.6056616	245 1604,5	+1.1836978	+0.7599579	+0.3171530
245 1408,5	+0.1046849	-1.3091531	-0.6037438	245 1608,5	+1.1530067	+0.8051464	+0.3387175
245 1412,5	+0.1625885	-1.2995364	-0.6008797	245 1612,5	+1.1205123	+0.8490758	+0.3597523
245 1416,5	+0.2202346	-1.2878635	-0.5970647	245 1616,5	+1.0862822	+0.8916902	+0.3802299
245 1420,5	+0.2775288	-1.2741339	-0.5922963	245 1620,5	+1.0503858	+0.9329370	+0.4001244
245 1424,5	+0.3343756	-1.2583513	-0.5865735	245 1624,5	+1.0128942	+0.9727671	+0.4194112
245 1428,5	+0.3906787	-1.2405232	-0.5798972	245 1628,5	+0.9738796	+1.0111347	+0.4380675
245 1432,5	+0.4463411	-1.2206614	-0.5722703	245 1632,5	+0.9334155	+1.0479976	+0.4560719
245 1436,5	+0.5012655	-1.1987820	-0.5636974	245 1636,5	+0.8915763	+1.0833167	+0.4734045
245 1440,5	+0.5553546	-1.1749054	-0.5541854	245 1640,5	+0.8484371	+1.1170564	+0.4900468
245 1444,5	+0.6085113	-1.1490564	-0.5437430	245 1644,5	+0.8040736	+1.1491843	+0.5059821
245 1448,5	+0.6606387	-1.1212644	-0.5323812	245 1648,5	+0.7585617	+1.1796712	+0.5211948

Julian Day	<i>x</i>	<i>y</i>	<i>z</i>	Julian Day	<i>x</i>	<i>y</i>	<i>z</i>
245 1652.5	+0.7119778	+1.2084910	+0.5356710	245 1852.5	-1.5188937	+0.6057183	+0.3187002
245 1656.5	+0.6643981	+1.2356206	+0.5493980	245 1856.5	-1.5388884	+0.5631190	+0.2996811
245 1660.5	+0.6158988	+1.2610401	+0.5623647	245 1860.5	-1.5573070	+0.5199429	+0.2803551
245 1664.5	+0.5665558	+1.2847323	+0.5745610	245 1864.5	-1.5741300	+0.4762341	+0.2607419
245 1668.5	+0.5164447	+1.3066828	+0.5859784	245 1868.5	-1.5893388	+0.4320368	+0.2408612
245 1672.5	+0.4656406	+1.3268800	+0.5966095	245 1872.5	-1.6029160	+0.3873960	+0.2207333
245 1676.5	+0.4142181	+1.3453149	+0.6064483	245 1876.5	-1.6148456	+0.3423569	+0.2003784
245 1680.5	+0.3622510	+1.3619812	+0.6154897	245 1880.5	-1.6251123	+0.2969653	+0.1798172
245 1684.5	+0.3098124	+1.3768747	+0.6237301	245 1884.5	-1.6337025	+0.2512673	+0.1590705
245 1688.5	+0.2569745	+1.3899939	+0.6311666	245 1888.5	-1.6406036	+0.2053094	+0.1381592
245 1692.5	+0.2038088	+1.4013394	+0.6377978	245 1892.5	-1.6458040	+0.1591386	+0.1171048
245 1696.5	+0.1503855	+1.4109140	+0.6436229	245 1896.5	-1.6492938	+0.1128024	+0.0959286
245 1700.5	+0.0967741	+1.4187226	+0.6486425	245 1900.5	-1.6510639	+0.0663486	+0.0746524
245 1704.5	+0.0430427	+1.4247722	+0.6528578	245 1904.5	-1.6511068	+0.0198252	+0.0532980
245 1708.5	-0.0107416	+1.4290715	+0.6562710	245 1908.5	-1.6494162	-0.0267190	+0.0318877
245 1712.5	-0.0645127	+1.4316312	+0.6588855	245 1912.5	-1.6459870	-0.0732350	+0.0104437
245 1716.5	-0.1182060	+1.4324637	+0.6607050	245 1916.5	-1.6408157	-0.1196736	-0.0110113
245 1720.5	-0.1717579	+1.4315831	+0.6617343	245 1920.5	-1.6339000	-0.1659851	-0.0324546
245 1724.5	-0.2251061	+1.4290052	+0.6619790	245 1924.5	-1.6252390	-0.2121192	-0.0538633
245 1728.5	-0.2781896	+1.4247470	+0.6614454	245 1928.5	-1.6148333	-0.2580257	-0.0752142
245 1732.5	-0.3309486	+1.4188272	+0.6601404	245 1932.5	-1.6026850	-0.3036539	-0.0964839
245 1736.5	-0.3833247	+1.4112660	+0.6580717	245 1936.5	-1.5887977	-0.3489525	-0.1176490
245 1740.5	-0.4352607	+1.4020847	+0.6552475	245 1940.5	-1.5731765	-0.3938704	-0.1386857
245 1744.5	-0.4867008	+1.3913060	+0.6516767	245 1944.5	-1.5558280	-0.4383559	-0.1595701
245 1748.5	-0.5375904	+1.3789536	+0.6473689	245 1948.5	-1.5367607	-0.4823572	-0.1802783
245 1752.5	-0.5878762	+1.3650526	+0.6423341	245 1952.5	-1.5159844	-0.5258221	-0.2007860
245 1756.5	-0.6375063	+1.3496290	+0.6365828	245 1956.5	-1.4935109	-0.5686983	-0.2210689
245 1760.5	-0.6864300	+1.3327100	+0.6301261	245 1960.5	-1.4693537	-0.6109334	-0.2411026
245 1764.5	-0.7345979	+1.3143237	+0.6229757	245 1964.5	-1.4435279	-0.6524747	-0.2608625
245 1768.5	-0.7819619	+1.2944992	+0.6151436	245 1968.5	-1.4160506	-0.6932697	-0.2803240
245 1772.5	-0.8284753	+1.2732665	+0.6066422	245 1972.5	-1.3869409	-0.7332654	-0.2994623
245 1776.5	-0.8740924	+1.2506563	+0.5974847	245 1976.5	-1.3562195	-0.7724090	-0.3182527
245 1780.5	-0.9187689	+1.2267005	+0.5876842	245 1980.5	-1.3239095	-0.8106479	-0.3366702
245 1784.5	-0.9624619	+1.2014315	+0.5772546	245 1984.5	-1.2900358	-0.8479292	-0.3546901
245 1788.5	-1.0051295	+1.1748825	+0.5662100	245 1988.5	-1.2546252	-0.8842005	-0.3722875
245 1792.5	-1.0467311	+1.1470875	+0.5545649	245 1992.5	-1.2177071	-0.9194092	-0.3894374
245 1796.5	-1.0872274	+1.1180812	+0.5423342	245 1996.5	-1.1793128	-0.9535032	-0.4061152
245 1800.5	-1.1265802	+1.0878990	+0.5295331	245 2000.5	-1.1394757	-0.9864308	-0.4222962
245 1804.5	-1.1647525	+1.0565768	+0.5161772	245 2004.5	-1.0982318	-1.0181404	-0.4379558
245 1808.5	-1.2017086	+1.0241515	+0.5022823	245 2008.5	-1.0556192	-1.0485810	-0.4530695
245 1812.5	-1.2374140	+0.9906601	+0.4878646	245 2012.5	-1.0116784	-1.0777023	-0.4676132
245 1816.5	-1.2718351	+0.9561406	+0.4729406	245 2016.5	-0.9664525	-1.1054544	-0.4815627
245 1820.5	-1.3049397	+0.9206314	+0.4575270	245 2020.5	-0.9199867	-1.1317882	-0.4948944
245 1824.5	-1.3366968	+0.8841715	+0.4416409	245 2024.5	-0.8723289	-1.1566555	-0.5075849
245 1828.5	-1.3670764	+0.8468004	+0.4252998	245 2028.5	-0.8235296	-1.1800090	-0.5196110
245 1832.5	-1.3960497	+0.8085582	+0.4085211	245 2032.5	-0.7736417	-1.2018024	-0.5309501
245 1836.5	-1.4235891	+0.7694854	+0.3913228	245 2036.5	-0.7227205	-1.2219906	-0.5415801
245 1840.5	-1.4496679	+0.7296233	+0.3737230	245 2040.5	-0.6708243	-1.2405299	-0.5514793
245 1844.5	-1.4742610	+0.6890132	+0.3557402	245 2044.5	-0.6180135	-1.2573778	-0.5606266
245 1848.5	-1.4973440	+0.6476974	+0.3373929	245 2048.5	-0.5643515	-1.2724935	-0.5690015